



# JEROME WATER IMPROVEMENTS

## DECEPTION ROAD

SITUATED IN THE TOWN OF JEROME  
YAVAPAI COUNTY, ARIZONA

### LEGEND NEW INFRASTRUCTURE

- ⊗ INDICATES WATER VALVE
- ⊕ INDICATES FIRE HYDRANT

### LEGEND EXISTING INFRASTRUCTURE

- ⊙ INDICATES CLEANOUT
- ▭ INDICATES WATER BOX
- ⊗ INDICATES WATER VALVE
- ⊕ INDICATES SIGN
- ⊕ INDICATES UTILITY POLE
- — — — — INDICATES CMP, UNLESS OTHERWISE NOTED
- □ — □ — INDICATES GUARDRAIL

### BLUESTAKE LEGEND

- v — WATER BLUESTAKE (BLUE PAINT)

### ABBREVIATIONS

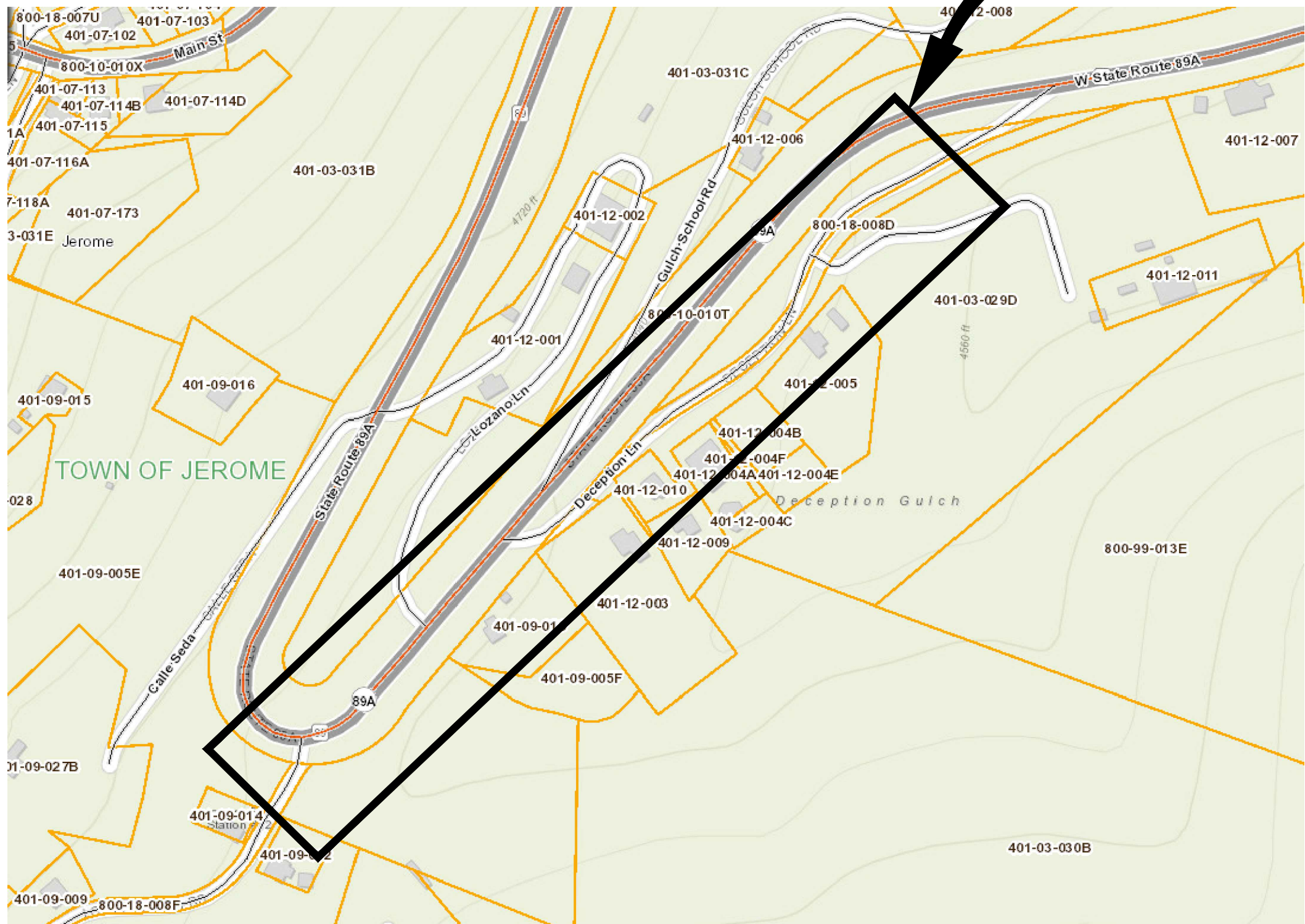
- XX.X SPOT ELEVATION RELATIVE TO ELEV. 4500/4600
- LF LINEAR FEET
- BS BOTTOM OF STEP
- TS TOP OF STEP
- T.O.P. TOP OF PIPE
- MAG MARICOPA ASSOCIATION OF GOVERNMENTS
- MSD MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL
- MUTCD MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
- SE SURFACE ELEVATION
- FF FINISHED FLOOR ELEVATION
- EG EXISTING GRADE
- FG FINISHED GRADE
- TW TOP OF WALL AT FACE
- BW BOTTOM OF WALL AT FACE
- INV INVERT
- FL FLOW LINE
- ADA AMERICANS WITH DISABILITIES ACT
- ARV AIR RELEASE VALVE
- BOV BLOW-OFF VALVE
- PVI POINT OF VERTICAL INTERSECTION
- DIP DUCTILE IRON PIPE
- PVC POLY VINYL CHLORIDE
- EP OR EOP EDGE OF PAVEMENT
- SEC SOUTHWESTERN ENVIRONMENTAL CONSULTANTS, INC
- STA STATION
- TBD TO BE DETERMINED
- VC VERTICAL CURVE
- NTS NOT TO SCALE
- SF SQUARE FEET
- EL OR ELEV ELEVATION
- GRD BRK GRADE BREAK
- CP SURVEY CONTROL POINT
- SW SIDEWALK
- CY CUBIC YARDS
- AWC-SD ARIZONA WATER COMPANY STANDARD DETAIL

### OWNER/DEVELOPER

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LOCATION MAP  
TOWN OF JEROME  
NO SCALE




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THESE PLANS SUPERSEDE PLANS DATED 8/20/2025  
SEE GENERAL NOTE 3.1 PRIOR TO CONSTRUCTION

### JEROME WATER IMPROVEMENTS DECEPTION ROAD

COVER		
 825 COVE PARKWAY COTTONWOOD, AZ 86326 928-282-7787	DATE 10/24/25	DRAWN RIN
	SCALE NOTED	CHECKED KG
SHEET 1 OF 6		
PROJECT NO. 20-0510CE		



## 1 GENERAL

- 1.1 ALL PAVING, GRADING PIPING AND UTILITY LINE CONSTRUCTION WORK WITHIN THE PUBLIC RIGHT-OF-WAY, ON PRIVATE STREETS, ACCESS WAYS, LOT GRADING, MATERIALS, AND WORKMANSHIP SHALL CONFORM WITH TOWN OF JEROME ENGINEERING STANDARDS AND SPECIFICATIONS, AND SHALL CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) AND A.D.O.T. STANDARD DETAILS AND SPECIFICATIONS. GRADING WORK SHALL CONFORM TO MAG SPECS, THE SOILS REPORT\* AND CHAPTER 70 ENTITLED "EXCAVATION AND GRADING" OF THE UNIFORM BUILDING CODE (UBC) LATEST EDITION, SUBSECTIONS 7001 TO 7005, 7009 TO 7013, FIGURES 70-1 AND 70-2 AND AS STATED THEREIN. LOCAL MUNICIPAL STANDARD DETAILS WILL CONTINUE TO APPLY WHERE NOT ADOPTED OR INCLUDED BY MAG. THE FOLLOWING NOTES AND SPECIFICATIONS ARE HEREBY MADE A PART OF THE CONTRACT DOCUMENTS AND PROJECT SPECIFICATIONS. WHERE THERE EXISTS A CONFLICT BETWEEN THESE NOTES, MAG SPECS, UBC, THE SOILS REPORT\* OR THE PROJECT SPECIFICATIONS, THE MORE STRINGENT OF THE REQUIREMENTS SHALL GOVERN UNLESS PRIOR CLARIFICATION FROM THE ENGINEER HAS BEEN GIVEN IN WRITING TO THE CONTRACTOR. THE CONTRACTOR AS STATED HEREIN SHALL MEAN THE GENERAL CONTRACTOR AND HIS ASSOCIATED SUBCONTRACTORS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND PERFORMANCE OF THE WORK OF ALL OF HIS SUBCONTRACTORS AND SUPPLIERS.
- 1.2 ALL WORK SHALL BE BID AND INSTALLED BY THE CONTRACTOR COMPLETE AND OPERATIONAL TO LINES, GRADES AND FUNCTIONS INDICATED ON ALL PLANS AND SPECIFICATIONS. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY TO COMPLETE ALL PROJECT EARTHWORK AND SITE WORK INCLUDING BUT NOT LIMITED TO: SITE CLEARING, GRUBBING, DEMOLITION'S, DEBRIS REMOVALS FROM THE SITE, IMPORT AND/OR EXPORT OF SOILS AND OTHER MATERIALS TO AND FROM THE SITE, BORROW MATERIALS, TEMPORARY SOILS MATERIAL STOCKPILING, BACKFILL OF ONSITE BORROW PITS, MOVING OF MATERIALS, CUT AND FILL SLOPES, SOILS AND BANK STABILIZATION AND PROTECTION, BERMING, ROADWAY EXCAVATIONS, RELOCATION'S, STRUCTURE EXCAVATIONS, TRENCHING, ALL BACKFILLING, SITE GRADING, PAVING, PIPING, UTILITY LINE AND STORM DRAINAGE CONSTRUCTION, CURBS, SITE CONCRETE WORK AND OTHER MISCELLANEOUS SITE WORK STRUCTURES AND ITEMS INDICATED ON THE PLANS AND IN THE CONTRACT DOCUMENTS.
- 1.4 ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY THE ENGINEER. QUANTITIES ARE APPROXIMATE ONLY AND INTENDED AS A GUIDE FOR ESTIMATING PURPOSES. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING HIS OWN QUANTITY TAKE OFF'S. THE CONTRACTOR SHALL VISIT THE SITE AND REVIEW THE SOILS CONDITIONS AND THE SOILS REPORT\* WITH THE PROJECT SOILS ENGINEER PRIOR TO BIDDING THIS PROJECT. ANY DISCREPANCIES IN SITE MATERIALS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER 7 DAYS MINIMUM PRIOR TO BIDDING FOR REVIEW. ALL SHRINK OF EARTH MATERIAL OR EXCESS MATERIAL FROM UTILITY TRENCHES AND FOUNDATIONS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
- 1.5 THE ENGINEER MAY REQUIRE THE SUBMITTAL OF A "CERTIFICATE OF COMPLIANCE" AND/OR "MANUFACTURER'S GUIDELINES" FOR ANY MATERIALS USED IN THE WORK. MANUFACTURER'S GUIDELINES SHALL CONSIST OF WRITTEN INSTRUCTIONS FOR SHIPPING, HANDLING, UNLOADING, CUTTING, JOINING, INSTALLATION, STORAGE, AND/OR ANY OTHER FACETS OF CONSTRUCTION
- 1.6 THE ENGINEER MAY REQUIRE ANY MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO AASHTO AND ASTM STANDARDS. THE CONTRACTOR SHALL, AT HIS EXPENSE, SUPPLY CERTIFICATES OR RESULTS OF TESTING.
- 1.7 ALL WORK AND MATERIALS NOT CONFORMING TO SPECIFICATIONS OR PERFORMED WITHOUT THE CONSENT OF THE OWNER OR HIS REPRESENTATIVE WILL BE SUBJECT TO REJECTION BY THE OWNER AND/OR ENGINEER AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- 1.8 THE CONTRACTOR SHALL GUARD AGAINST DAMAGE DURING CONSTRUCTION TO ADJACENT PROPERTIES, FENCES, WALLS AND UTILITY EQUIPMENT. ANY ITEMS DAMAGED BY CONSTRUCTION SHALL BE REPLACED WITH SAME KIND OR BETTER AT CONTRACTOR'S EXPENSE.
- 1.9 NO CONSTRUCTION SHALL BEGIN UNTIL CONFLICTING UNDERGROUND UTILITY MITIGATING CONSTRUCTION IS COMPLETED, IF ANY, AND UNTIL PIPE SLEEVES AND SERVICE STUBS TO ALL BUILDINGS OR LOTS HAVE BEEN EXTENDED.
- 1.10 NO EXISTING SURVEY MONUMENTATION SHALL BE REMOVED OR DISTURBED BY THE CONTRACTOR WITHOUT NOTIFICATION AND APPROVAL OF THE PROJECT SURVEYOR. THE CONTRACTOR SHALL CONTACT THE PROJECT SURVEYOR FOR THE SETTING OF REFERENCE POINTS 48 HOURS PRIOR TO DISTURBING OR REMOVING ANY MONUMENTS. THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR COSTS TO REESTABLISH MONUMENTATION OR CONTROLS REMOVED WITHOUT PRIOR NOTICE AND APPROVAL.
- 1.11 TRAFFIC CONTROL SHALL CONFORM TO THE LOCAL MUNICIPAL ADOPTED STANDARDS.
- 1.12 THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF THE INTENT BY THE ENGINEER. ANY QUESTIONS REGARDING THESE PLANS MUST BE GIVEN TO THE ENGINEER AND YOU MUST HAVE RECEIVED A RESPONSE TO THE QUESTION. ANYONE WHO TAKES IT UPON THEMSELVES TO MAKE AN INTERPRETATION OF THE DRAWINGS OR MAKES REVISIONS TO THE SAME WITHOUT CONFERRING WITH THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF.
- 1.13 CONTRACTOR SHALL COORDINATE HIS WORK WITH THE DESIGN ENGINEER, OWNER, PUBLIC UTILITY COMPANIES AND OTHER ASSOCIATED TRADERS ON AND ADJACENT TO THE PROJECT SITE. COORDINATE INSTALLATION OF ALL PUBLIC AND PRIVATE UNDERGROUND UTILITIES, PIPES, CONDUITS AND PIPE SLEEVE SIZES AND LOCATIONS PRIOR TO THEIR PLACEMENT. INSTALLATION: THE CONTRACTOR IS RESPONSIBLE FOR SETTING CAPPED SLEEVES AND PROVIDING TYPE 1 COMPACTION IN ALL BACKFILLED TRENCHES IN PAVED AREAS AND EASEMENTS. PROVIDE TRACER WIRE AND MARKER AT GRADE LEVEL FOR FUTURE LOCATING.
- 1.14 CONTRACTOR SHALL BE RESPONSIBLE FOR FINANCIAL REIMBURSEMENT TO THE OWNER AND ENGINEER FOR THE FOLLOWING ADDITIONAL ENGINEERING SERVICES SHOULD THEY OCCUR, AND SUCH A/E DESIGN SERVICES WILL BE DEDUCTED FROM CONTRACTOR'S FINAL PAYMENTS BY THE OWNER.
- A. REINSPECTION, COORDINATION AND EXTRA TESTING OR RETESTING COSTS INCURRED BECAUSE OF IMPROPER OR FAULTY CONSTRUCTION. ONE TIME TESTING AND INSPECTION IS PROVIDED FOR BY THE OWNER. ALL OTHER TESTING IS THE CONTRACTOR'S RESPONSIBILITY.
- B. ADDITIONAL STAKING NOT INCLUDED IN CONTRACT OR RESTAKING AS REQUESTED BY CONTRACTOR.
- C. CHANGES AND SUBSTITUTIONS IN MATERIALS CONSTRUCTION METHODS, REQUESTED BY THE CONTRACTOR, THAT MUST BE REVIEWED, RECALCULATED OR APPROVED BY ENGINEER.
- D. ENGINEERING DESIGN SERVICES REQUESTED BY THE CONTRACTOR OR CAUSED BY ERRORS OR OMISSIONS BY THE CONTRACTOR.
- E. ANY ENGINEERING DESIGN APPROVED BY OTHERS AND SUBMITTED FOR REVIEW. THESE SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN ARIZONA.
- ANY DIFFERENCE BETWEEN PLANS AND SPECIFICATIONS AND QUESTIONS AS TO THEIR MEANING SHALL BE DETERMINED PRIOR TO AWARD OF THE CONTRACT AND SHALL BE INTERPRETED BY THE ENGINEER. THE GENERAL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS WILL GOVERN AND SHALL NOT WARRANT ANY ADDITIONAL COMPENSATION TO THE CONTRACTOR. THE ENGINEER WILL PROVIDE FULL INSTRUCTIONS WHEN DISCREPANCIES ARE DISCOVERED IN THE DOCUMENTS.

- 1.16 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LIMITS OF THE WORK AREA FOR ALL PHASES OF THE WORK PRIOR TO BEGINNING CONSTRUCTION OF THOSE PHASES. ALL CONSTRUCTION LIMITS, AREAS OF WORK, SETBACKS, PERIMETERS, ADJACENT PROPERTY LINES, BOUNDARIES, AND OTHER CRITERIA DEFINING THE LIMITS OF THE CONTRACTOR'S WORK AREA AND LIMITS, SHALL BE STAKED BY THE CONTRACTOR'S SURVEYOR PRIOR TO CONSTRUCTION OR CLEARING OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE EXTENT OF WORK TO BE DONE IN EACH SEPARATE PHASE OF THE PROJECT, AND ANY WORK NECESSARY IN INACTIVE PHASES REQUIRED TO DEEM THE ACTIVE PHASES FINISHED, SAFE, AND SERVICEABLE.
- 1.17 THE CONTRACTOR OR SUBCONTRACTORS SHALL NOT DEViate FROM THESE PLANS OR MAKE FIELD CHANGES WITHOUT REQUESTING THE ENGINEER TO PROVIDE, IN WRITING, THE APPROVAL OF THESE MODIFICATIONS. ANY CHANGES MADE WITHOUT APPROVAL OF THE DESIGN ENGINEER ARE SUBJECT TO REMOVAL AT THE EXPENSE OF THE CONTRACTOR.
- 1.18 THE DESIGN ENGINEER RESERVES THE RIGHT TO MAKE MINOR FIELD MODIFICATIONS TO GRADES AND STRUCTURE DESIGNS TO ACCOMMODATE FIELD CONDITIONS FOUND ON SITE. THIS INCLUDES BUT IS NOT LIMITED TO MINOR MODIFICATIONS TO GRADE, ALIGNMENT, SLOPE OR STRUCTURE LOCATIONS. THE ENGINEER SHALL HAVE THE RIGHT TO MAKE SUCH CHANGES IN WRITING IN THE LOCATION AND QUANTITIES OF WORK AS MAY BE DEEMED ADVISABLE.
- 1.19 NO JOB WILL BE CONSIDERED COMPLETE UNTIL FINE GRADING IS COMPLETE AND ALL CURBS, PAVEMENT AND SIDEWALKS HAVE BEEN SWEPT CLEAN OF ALL DIRT AND DEBRIS, ALL SURVEY MONUMENTS ARE INSTALLED AND VALVES, MANHOLES AND BOXES HAVE BEEN ADJUSTED ACCORDING TO THE PLANS AND STANDARD DETAILS.
- 1.20 EXISTING GRADES INDICATED ON PLANS ARE BASED ON PREGRADING CONDITIONS. LOSSES IN MATERIAL DUE TO SHRINKAGE OF MATERIAL, DEMOLITION OF EXISTING SITE FEATURES, CLEARING AND GRUBBING OF THE SITE SHALL BE INCLUDED IN CONTRACTOR'S BID.
- 1.21 SHOP DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR PER MAG SECTION 105.2.

## 2 PERMITS

- 2.1 CONTRACTOR SHALL OBTAIN ALL PERMITS AT HIS OWN EXPENSE FROM LOCAL MUNICIPAL AND AIR POLLUTION CONTROL AUTHORITIES PRIOR TO BEGINNING CONSTRUCTION.
- 2.2 REQUIRED PERMITS SHALL BE SECURED BY THE CONTRACTOR FROM THE APPROPRIATE AGENCIES. A.D.O.T. REQUIRES THAT A PERMIT BE ISSUED FROM THEIR OFFICE FOR ANY WORK WITHIN STATE RIGHT-OF-WAY. FEDERAL PERMITS, UTILITY TO ABSTAIN OTHER PERMITS MAY BE REQUIRED. D.E.Q. REQUIRES PERMITS BE ISSUED PRIOR TO NEW CONSTRUCTION, EXTENSION TO, OR MODIFICATION OF WATER DISTRIBUTION SYSTEM, SEWAGE COLLECTION OR INDIVIDUAL SEWAGE TREATMENT SYSTEM. A RIGHT-OF-WAY PERMIT, ISSUED BY THE TOWN, IS REQUIRED FOR ANY EXCAVATION OR GRADING (INCLUDING PLACEMENT OF FILL). PRIOR TO CONSTRUCTION THE APPROPRIATE AGENCIES SHALL BE NOTIFIED BY THE CONTRACTOR AS REQUIRED BY THE PERMITS.
- 2.3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AT HIS OWN EXPENSE ALL APPROPRIATE INSURANCE FORMS FOR PERMIT REQUIREMENTS.
- 2.4 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE FOR THE RELOCATION AND RELOCATION COSTS, IF ANY, OF ALL UTILITIES, AND SUBMIT A UTILITY RELOCATION SCHEDULE TO THE MUNICIPALITY AND DESIGN ENGINEER PRIOR TO CONSTRUCTION. ALL PUBLIC UTILITY EQUIPMENT POLES, BOXES, STRUCTURES AND MUNICIPAL UTILITY COMPANY EQUIPMENT SHALL BE RELOCATED BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY BEFORE ANY WORK IS STARTED.

## 3 APPROVALS

- 3.1 THE CONTRACTOR IS TO USE ONLY THAT OFFICIAL CONSTRUCTION SET OF DRAWINGS WHICH CONTAINS THE APPROVAL OF THE GOVERNMENT AGENCY/UTILITY SIGNED ON THE COVER SHEET OF THE PLANS. THE CONTRACTOR SHALL NOT PLACE BIDS OR START CONSTRUCTION ON A SET OF DRAWINGS UNSIGNED BY THE GOVERNMENT AGENCY AND/OR MARKED "NOT FOR CONSTRUCTION".

## 4 RECORD DRAWINGS

- 4.1 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND KEEP AN UPDATED RECORD SET OF AS-BUILT INFORMATION DRAWINGS IN GOOD CONDITION ON THE JOB SITE AND PROVIDE THE DESIGN ENGINEER AT COMPLETION OF THE WORK, WITH THE RECORD SET SHOWING FIELD VERIFIED LOCATIONS OF ALL VALVES, BOXES, MANHOLES, UTILITY POLES, PIPE SLEEVES, UTILITY LINES AND EQUIPMENT ABOVE AND BELOW GROUND WHICH THE CONTRACTOR ENCOUNTERS AND INSTALLS IN HIS AREA OF WORK.
- 4.2 ACCEPTANCE OF THE COMPLETED PAVING, GRADING OR UTILITY INSTALLATION WILL NOT BE GIVEN UNTIL REPRODUCIBLE AS-BUILT PLANS HAVE BEEN SUBMITTED BY THE ENGINEER AND APPROVED BY THE LOCAL GOVERNING AGENCY.

## 5 OBSERVATION

- 5.1 ALL MATERIALS USED AND ALL WORK DONE BY THE CONTRACTOR SHALL BE SUBJECT AT ALL TIMES TO THE INSPECTION, TESTING AND APPROVAL OF THE ENGINEER AND GOVERNING AGENCY. SPECIAL INSPECTION AND TESTING SERVICES SHALL BE PROVIDED AT THE OWNER'S EXPENSE, AS REQUIRED BY THE TOWN ENGINEER.
- 5.2 THE CONTRACTOR SHALL CONTACT THE APPROPRIATE PUBLIC UTILITY COMPANIES FOR INSPECTION OF TRENCHING, BEDDING AND BACKFILLING DONE IN CONJUNCTION WITH INSTALLATION OF THOSE UTILITIES ON THIS PROJECT.
- 5.3 SUBMITTAL OF AN ENGINEER'S CERTIFICATE OF COMPLETION IS REQUIRED BY A.D.E.Q. FOR ALL WATER AND SEWER SYSTEM CONSTRUCTION. RELATED INSPECTION AND TESTING SHALL BE PROVIDED BY THE OWNER'S ENGINEER AT THE OWNER'S EXPENSE.
- 5.4 SOILS COMPACTION TEST RESULTS MUST BE SUBMITTED TO THE ENGINEER'S OFFICE FOR ALL FILL MATERIAL FOR ROADS, TRENCH BACKFILL AND SITE FILL MATERIALS UNDER SLABS AND STRUCTURES. NO FILL MATERIALS SHALL BE PLACED WITHOUT TESTING DURING PLACEMENT. NO EARTH MATERIAL SHALL BE PLACED WITHOUT APPROVAL OF THE PREVIOUS LIFTS. THE CONTRACTOR SHALL SUBMIT ALL TEST RESULTS TO THE DESIGN ENGINEER AND GOVERNMENTAL AGENCIES.
- 5.5 CONTRACTOR SHALL SUBMIT A SCHEDULE, APPROVED IN WRITING BY A QUALIFIED CONSULTING TESTING AGENCY, FOR FREQUENCY, LOCATION AND TYPE OF ALL PROJECT TESTING. THE CONTRACTOR WILL BE RESPONSIBLE FOR SCHEDULING AND COORDINATION OF ALL TESTING INCLUDING THE FOLLOWING ITEMS WHICH SHALL BE TESTED IN ACCORDANCE WITH MAG SPECIFICATIONS...
1. SUBGRADE COMPACTION
  2. BASE COURSE COMPACTION
  3. ASPHALT PAVEMENT MIX DESIGN QUALITY
  4. CONCRETE STRENGTH
  5. TRENCH BEDDING AND BACKFILL
  6. TESTING FOR UTILITIES, PIPING AND DRAINAGE SYSTEMS

- 5.6 THE TOWN SHALL BE NOTIFIED BY THE CONTRACTOR 24 HOURS PRIOR TO BEGINNING DIFFERENT PHASES OF CONSTRUCTION SO THAT CITY INSPECTIONS MAY BE SCHEDULED.

## 6 FINAL ACCEPTANCE

- 6.1 FINAL ACCEPTANCE OF THE CONSTRUCTION, BY THE TOWN ENGINEER, IS REQUIRED BEFORE RELEASING OF A PERMIT AND/OR TRANSFERRING OWNERSHIP OF THE IMPROVEMENTS TO THE CITY.
- 6.2 APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE WORKABLE UNIT. ACCEPTANCE OF COMPLETED IMPROVEMENTS WILL NOT BE GIVEN UNTIL DEFECTIVE OR UNAUTHORIZED WORK IS REMOVED, AND FINAL CLEANUP IS COMPLETE.

## 7 UTILITIES

- 7.1 A UTILITY COORDINATION MEETING SHALL BE COORDINATED BY THE CONTRACTOR PRIOR TO THE START OF ANY WORK. ALL UTILITY ISSUES SHALL BE ADDRESSED IN ACCORDANCE WITH MAG SECTION 105.6.
- 7.2 LOCATION OF UNDERGROUND UTILITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ARS 40-360.22 PRIOR TO ANY EXCAVATION. BLUE STAKE SHALL BE CALLED AT 1'-800'-STAKE-IT FOR ACCURATE LOCATION OF UTILITIES AS NECESSARY AND PRIOR TO ANY EXCAVATION UTILITIES IF INDICATED ON PLANS ARE APPROXIMATE LOCATIONS ONLY, TAKEN FROM THE UTILITY COMPANY MAPS. IF THE CONTRACTOR ENCOUNTERS ANY LINES NOT INDICATED ON THE DRAWINGS OR MARKED IN THE FIELD BY THE UTILITY COMPANY THAT MAY INTERFERE WITH HIS WORK, HE SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY IMMEDIATELY FOR DISPOSITION OF THOSE FACILITIES.
- 7.3 THE CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF GRADE, TRENCHING, BACKFILLING, PAD CONSTRUCTION AND CONCRETE PADS FOR UTILITY EQUIPMENT INSTALLED ON THIS PROJECT. CONTRACTOR SHALL CONTACT LOCAL UTILITY COMPANIES FOR DETAILS AND REQUIREMENTS.
- 7.4 UTILITIES MUST BE LOCATED TO MINIMIZE INTERFERENCE WITH ONE ANOTHER, TO PROVIDE REQUIRED HORIZONTAL AND VERTICAL SEPARATIONS, AND TO PROVIDE MAINTENANCE ACCESS WITHOUT VIOLATING EASEMENT BOUNDARIES. SEPARATION BETWEEN UTILITIES PER MAG STANDARD
- 7.5 ALL UTILITY SLEEVES SHALL BE PLACED PRIOR TO SUBBASE CONSTRUCTION AND PAVING. CONTACT APPROPRIATE UTILITY COMPANIES FOR REQUIREMENTS IN ALL AREAS.
- 7.6 ALL WATER MAINS, APPURTENANCES, AND INSTALLATION SHALL CONFORM TO A.W.W.A. STANDARDS AND ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY, AND TOWN OF JEROME REQUIREMENTS. WATER SYSTEM SHALL BE TESTED PER A.D.E.Q. BULLETIN NO. 10 TO THE APPROPRIATE A.W.W.A. STANDARDS.
- 7.7 ALL FIRE HYDRANTS SHALL MEET ALL REQUIREMENTS OF A.W.W.A. C-509-80 AND TOWN OF JEROME REQUIREMENTS.

## 8 CONSTRUCTION STAKING

- 8.1 THE ACCURACY OF ALL CONSTRUCTION WORK SHALL BE MAINTAINED AND VERIFIED BY THE OWNER'S SURVEYOR AT THE OWNER'S EXPENSE BY PROVIDING CONSTRUCTION STAKING SUITABLE TO THE TOWN ENGINEER. STAKES WILL BE SET ESTABLISHING LINES AND GRADES (FINISH OR FLOWLINE) FOR ALL CONSTRUCTION INCLUDING ROADS, CURB AND GUTTER, SIDEWALKS, UTILITIES, STRUCTURES, AND OTHER WORK AS CONSIDERED NECESSARY BY THE ENGINEER. ALL SURVEY CONTROL SHALL BE SET BY THE OWNER'S SURVEYOR FROM MONUMENTS ACCEPTABLE TO THE ENGINEER.

## 9 GRADING AND EARTHWORK

- 9.1 PERFORM ALL EARTHWORK GRADING, CUTTING AND FILLING AS PER THE PROJECT SOILS REPORT\* AND ALL ADDENDA. ALL WORK TO BE COORDINATED AS PER THE SWPPP.
- 9.2 NO GRADING OR TRENCHING WORK SHALL BEGIN PRIOR TO SUPPORTING AND PROTECTING EXISTING ONSITE AND ADJACENT PROPERTY FROM SETTLING, CRACKING, OR OTHER DAMAGE WHICH MIGHT RESULT. CONTRACTOR SHALL VERIFY FROM SOILS REPORT RECOMMENDATIONS THE DEGREE OF DIFFICULTY REQUIRED FOR TRENCHING AND EXCAVATION WORK BASED ON DEPTH AND TYPES OF MATERIALS TO BE ENCOUNTERED.
- 9.3 WATER SOURCE: THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR OBTAINING ALL WATER REQUIRED FOR SOIL COMPACTION, DRINKING PURPOSES AND DUST CONTROL. (MAG SPEC 225)
- 9.4 CLEARING AND GRUBBING: EXAMINE SITE AND PROVIDE NECESSARY EQUIPMENT AND LABOR TO REMOVE FROM THE SITE AND DISPOSE OF STUMPS, ROOTS, ROCKS, LOOSE FILL, VEGETATION, DEBRIS, AND ANY OTHER OBJECTIONABLE MATERIALS FROM THE BUILDING AND FILL AREAS. CLEAN, UNCLASSIFIED ONSITE SOILS MAY BE USED IN GENERAL AS FILL MATERIAL. SEE MAG SPECIFICATION SECTIONS 201 AND 215.
- 9.5 TOPSOIL THAT WILL BE AFFECTED BY ROUGH GRADING OR EXCAVATION SHALL BE STOCKPILED ON THE SITE SEPARATELY AND SHALL NOT BE USED FOR FILL, BUT SHALL BE CONSERVED AND USED FOR FINE AND FINISH GRADING.
- 9.6 SITE DRAINAGE: CONSTRUCTION OF ALL SWALES, CHANNELS, DRAINAGE PIPES, DRAINAGE STRUCTURES AND BANK PROTECTION SHALL BE CONSTRUCTED DURING THE FIRST PHASES OF SITE CONSTRUCTION AND TO PROTECT ALL OTHER CONSTRUCTION FROM SURFACE WATERS. DIVERT RUN OFF WATER AROUND CONSTRUCTION OPERATIONS. CARE SHALL BE TAKEN BY THE CONTRACTOR NOT TO ADVERSELY AFFECT ADJACENT PROPERTIES. DRAIN EXCAVATIONS BY PUMPING OR OTHER SATISFACTORY METHOD TO PREVENT SOFTENING OF THE FOUNDATION SOILS, UNDERCUTTING OF FOOTINGS, OR OTHER ACTIONS DETRIMENTAL TO PROPER CONSTRUCTION PROCEDURES. ALL WORK TO BE COORDINATED AS PER THE SWPPP.
- 9.7 THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL WALLS AND FOUNDATIONS. ALL STORM DRAINS, DRAIN LINES, OVERFLOWS, OUTLETS, AND/OR OTHER DRAINAGE TYPE OUTLETS WHICH CONDUCT MOISTURE NEAR THE STRUCTURES SHALL BE POSITIVELY DRAINED AWAY FORM THE STRUCTURE. NO WATER SHALL BE PERMITTED TO POND NEAR STRUCTURES OR FOOTINGS. ALL DRAINAGE SHALL BE CHanneled AND TAKEN A MINIMUM OF 10 FEET AWAY FROM ALL STRUCTURES.
- 9.8 SUBGRADE PREPARATION: IF THE NATURAL SUBGRADE IS LESS THAN THE REQUIRED DENSITY, IT SHALL BE SCARIFIED AND COMPACTED TO A MINIMUM DEPTH OF TWELVE INCHES OR AS NOTED IN THE SOILS REPORT IMMEDIATELY PRIOR TO PLACING SUBSEQUENT FILL MATERIAL THEREON. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REPAIR OF DAMAGE TO PREPARED SUBGRADE CAUSED BY CONTRACTORS OPERATION OR PUBLIC TRAFFIC UNTIL ACCEPTANCE OF PROJECT. NO MATERIALS SHALL BE PLACED UPON THE PREPARED SUBGRADE UNTIL IT MEETS THE SPECIFIED REQUIREMENTS. ROADWAY SUBGRADE COMPACTION INCLUDES SUBGRADE UNDER ALL PAVEMENT, CURB, SIDEWALKS, SHOULDERS AND FILL SLOPES. SUBGRADE TOLERANCES SHALL BE AS SPECIFIED IN MAG SECTION 301. OPEN LANDSCAPED AREAS SHALL BE GRADED TO +/- 0.20 FEET.

- 9.9 EARTH FILL: AREAS TO BE FILLED SHALL BE LEVELED TO PROVIDE A LEVEL BASE TO SUPPORT FILL MATERIALS. SUBGRADE AND SUBBASE AREAS REQUIRING FILL MATERIAL SHALL BE SCARIFIED MOISTENED AND COMPACTED PRIOR TO PLACING FILL. ALL FILL, SUBGRADE AND SUBBASE MATERIALS SHALL BE COMPACTED TO SPECIFIED DENSITIES AT OR NEAR OPTIMUM MOISTURE CONTENTS AS VERIFIED AND RECOMMENDED BY THE SOILS ENGINEER. THE TOP OF FILL SHALL BE CONTROLLED IN LIFTS NOT EXCEEDING EIGHT INCHES IN LOOSE THICKNESS BEFORE COMPACTION. SLOPED SURFACES SHALL BE PLOWED, STEPPED, AND BENCHED SO THAT THE FILL MATERIAL WILL BOND WITH THE EXISTING MATERIAL. BENCH AT THE TOE OF FILL SLOPES AND PERIODIC INTERVALS UP THE FILL SLOPES BENCHES.
- 9.10 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE TESTING COMPANY FOR SCHEDULING OF COMPACTION TESTING. THE FREQUENCY OF DENSITY AND MOISTURE TESTS REQUIRED FOR ADEQUATE CONTROL SHALL BE THE RESPONSIBILITY OF THE SOILS ENGINEER WHO SHALL CERTIFY TO THE ENGINEER AND CONTRACTOR AT PROJECT END THAT THE ROADBED FILL IS COMPACTED AS OUTLINED HEREIN. COMPACTION SHALL BE ACHIEVED BY MECHANICAL MEANS. IN NO CASE SHALL STRUCTURE BACKFILLING BE FLOOD WATER SETTLED.
- 9.11 ALL SLOPE CONSTRUCTION AND ROADWAY EXCAVATION SHALL CONFORM TO THE REQUIREMENTS OF MAG SPECIFICATIONS SECTIONS 201, 205, 211, 301, AND UBC SECTIONS 7009 AND 8010. CUT AND FILL SLOPE GRADIENTS SHALL NOT EXCEED 2:1 IN STEEPNESS WITHOUT WRITTEN AUTHORIZATION FROM THE SOILS ENGINEER AND EXAMINATION BY THE DESIGN ENGINEER. ALL SLOPE CONDITIONS SHALL BE PROVIDED WITH THE APPROPRIATE BENCHES AS SPECIFIED IN THE REFERENCE DOCUMENTS AND INDICATED ON THE PLANS. IF SOILS CONDITIONS ARE ENCOUNTERED WHICH DO NOT ALLOW THE ESTABLISHMENT OF THE INDICATED CUT OR FILL SLOPES, THE DESIGN ENGINEER AND SOILS ENGINEER SHALL BE CONTACTED IMMEDIATELY TO DETERMINE AN ADJUSTMENT TO THE SLOPE GRADIENT OR TO ESTABLISH A METHOD OF STABILIZATION. ALL FILL SLOPES SHALL BE COMPACTED AS EACH LIFT OF FILL MATERIAL IS PLACED. ALL CUT AND FILL SLOPES SHALL BE UNIFORMLY GRADED TO LINES AND GRADES INDICATED. TOPS OF ALL CUT SLOPES SHALL BE ROUNDED AND ALL UNSTABLE AND LOOSE MATERIAL AT TOP OF SLOPE SHALL BE REMOVED. TOP OF CUT SLOPES OVER 10' HIGH SHALL BE PROVIDED WITH BROW DITCHES FOR DRAINAGE. ALL CUT AND FILL SLOPES SHALL BE REVEGETATED WITH A MIXTURE OF NATIVE GRASSES AND WILD FLOWER SEED OR AS SPECIFIED WITHIN THE LANDSCAPE PLANS. COMPACT ALL SHOULDERS AND BACKFILLS BEHIND ALL STRUCTURE AND WALLS.
- 9.12 COMPACT TO THE FOLLOWING SPECIFIED PERCENT OF MAXIMUM DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D698 AND MAG SECTION 211 OR AS DIRECTED IN THE SOILS REPORT.
- MINIMUM PERCENT COMPACTION  
SUBGRADE SOIL-----95  
ROADWAY AND STRUCTURE AREAS-----95  
PAVED AREAS (PAVEMENTS, SIDEWALKS, & PADS)-----95  
EARTH FILL:  
ROADWAY AND STRUCTURE AREAS-----95  
PAVED AREAS (PAVEMENTS, SIDEWALKS, & PADS)-----95  
GRASSSED AND PLANTING AREAS-----95  
AGGREGATE BASE COURSE-----100  
BACKFILL AROUND STRUCTURES-----95  
BACKFILL FOR UTILITY TRENCHES (PER MAG SECTION 601). PROVIDE TYPE 1 BACKFILL OR AS DIRECTED BY APPROPRIATE UTILITY REQUIREMENTS. BACKFILL FOR TRENCHES WITHIN 10' OF STRUCTURES AND WALLS SHALL BE COMPACTED TO 95% UNLESS DIRECTED OTHERWISE BY ENGINEER.
- 9.13 EXCAVATION: EXCAVATE TO THE DIMENSIONS AND DEPTHS INDICATED ON THE DRAWINGS. FOUNDATIONS SHALL REST ON ENGINEERED COMPACTED FILL OR UNDISTURBED NATURAL SOILS AT GRADE ELEVATIONS INDICATED. IF SUITABLE SOIL IS NOT REACHED AT THE DEPTHS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE SOILS ENGINEER AND ENGINEER. THE CONTRACTOR WILL BE DIRECTED, IN WRITING, TO EXCAVATE TO THE DEPTH OF SUITABLE SOIL EXCAVATION FOR FOUNDATIONS WHICH ARE CARRIED BELOW THE DEPTHS INDICATED SHALL HAVE THE CONCRETE EXTENDED TO THE BOTTOM OF THE EXCAVATION AT THE CONTRACTOR'S EXPENSE. SEE MAG SPECIFICATION SECTION 206.
- 9.14 WATERING: CAREFULLY WATER EARTH FILL DURING PLACING BY MEANS OF A FINE SPRAY OR OTHER APPROVED METHOD, SO THAT EACH LAYER IS THOROUGHLY AND UNIFORMLY WETTED. MOISTURE CONTENT OF THE MATERIAL SHALL BE CAREFULLY CONTROLLED AT ALL TIMES AND CHECKED AT PROPER INTERVALS TO INSURE CORRECT MOISTURE FOR COMPACTION SPECIFIED. SEE MAG SECTION 225 AND SOILS REPORT.

## 10 PAVING

- 10.1 COMPLETE ASPHALTIC CONCRETE PAVEMENT INSTALLATION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
- A. TACK COATING OF ALL SURFACES, UNDILUTED .02 TO .10 GAL/SY, DILUTED 1:1 MIXTURE, .05 TO .15 GAL/SY, OR AS DIRECTED.
  - B. SEAL COATING: SEAL COATING WITHIN THE RIGHT-OF-WAY SHALL BE A FOG SEAL COAT.
  - C. PAINT FOR PAVEMENT STRIPING AND MARKING SHALL CONFORM TO FEDERAL SPEC. NO. TTP-155E, "PAINT, TRAFFIC, HIGHWAY, WHITE AND YELLOW". COLORS FOR PAVEMENT MARKING AND STRIPING SHALL BE AS SPECIFIED BY THE TOWN ENGINEER.
  - D. TRAFFIC CONTROL DEVICES: SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (LATEST EDITION, PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
- 10.2 ASPHALTIC PAVEMENT SHALL CONFORM TO MAG SPECIFICATION SECTION 321.
- 10.3 ALL FRAMES, COVERS, VALVE BOXES, AND MANHOLES IN PAVED AREAS AND IN NON-PAVED AREAS THEY SHALL BE ADJUSTED TO GRADE BY THE GENERAL CONTRACTOR.
- 10.4 ALL PAVING WORK SHALL BE PLACED IN STRICT CONFORMANCE TO MAG SECTION 321 PAR.321.3 WEATHER AND MOISTURE CONDITIONS. ALL WORK AND MATERIALS PLACED IN VIOLATION OF THESE REQUIREMENTS WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- 10.5 EXACT POINT OF PAVEMENT MATCHING, TERMINATION AND/OR OVERLAY, IF NECESSARY, SHALL BE SUBJECT TO FIELD APPROVAL BY THE ENGINEER, HIS REPRESENTATIVE AND LOCAL MUNICIPAL AUTHORITIES. EDGE OF EXISTING PAVEMENT WHERE NECESSARY SHALL BE UNIFORMLY SAWCUT AND TACK COAT APPLIED.
- 10.6 THE CONTRACTOR SHALL IN ALL AREAS OF PAVING PROVIDE A UNIFORM DENSE SURFACE SMOOTH AND TRUE TO LINE. SURFACE SHALL BE FREE OF PITS, DEPRESSIONS, ROCK POCKETS AND PATCHES. DESIGN MIX IS PER THE ENGINEER.

### \*SOILS REPORT:

THERE IS NO SOILS REPORT ASSOCIATED WITH THIS PROJECT.

THESE PLANS SUPERSEDE PLANS DATED 8/20/2025  
SEE GENERAL NOTE 3.1 PRIOR TO CONSTRUCTION

JEROME WATER IMPROVEMENTS DECEPTION ROAD			
SEC Inc.	NOTES		
	DATE	DRAWN	SHEET
	10/24/25	RIN	2 OF 6
825 COVE PARKWAY COTTONWOOD, AZ 86326 928-282-7787	SCALE	CHECKED	PROJECT NO.
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## 11 FIELD INSPECTION

- 11.1 THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL STAKES, REFERENCE AND CONTROL POINTS, ETC. AGAINST DESTRUCTION AND SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY STAKES WHICH HAVE BEEN DISTURBED.
- 11.2 OWNER'S REGISTERED SURVEYOR SHALL BE NOTIFIED TWO WORKING DAYS (48 HOURS) MINIMUM PRIOR TO FIELD STAKING SCHEDULING.
- 11.3 ANY QUESTIONS RAISED RELATIVE TO ACCURACY OF IMPROVEMENT INSTALLATION SHALL NOT BE RAISED SUBSEQUENT TO COMPLETION OF THE WORK UNLESS ALL SURVEY STAKES ARE MAINTAINED INTACT. SHOULD SUCH STAKES NOT BE PRESENT AND VERIFIED AS TO THEIR ORIGIN, NO CLAIM FOR ADDITIONAL COMPENSATION FOR CORRECTION SHALL BE PRESENTED TO ANY PARTY AND SUCH WORK SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE.

## 12 SUSPENSION OF WORK

- 12.1 THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN HIS JUDGMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS DANGER TO THE PUBLIC HEALTH OR SAFETY.

## 13 WARRANTY

- 13.1 ANY DEFECTS WHICH APPEAR IN THE WORK WITHIN TWO YEARS FROM THE DATE OF ACCEPTANCE AND WHICH ARE DUE TO IMPROPER WORKMANSHIP OR INFERIOR MATERIALS SUPPLIED SHALL BE CORRECTED BY OR AT THE EXPENSE OF THE CONTRACTOR.

## 14 EROSION CONTROL NOTES

- (SPECIFICATIONS FOR PERMANENT SEEDING)
- 14.1 SITE PREPARATION
- A. INSTALL NECESSARY SURFACE WATER CONTROL MEASURES PRIOR TO PLANTING PERMANENT SEEDING.
- B. GRADE TO PERMIT USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION.
- C. PROVIDE ADEQUATE DRAINAGE WHERE INTERNAL WATER MOVEMENT, ESPECIALLY AT TOES OF SLOPES, MAY CAUSE SEEPS OR SLIPPAGE BEFORE SEEDING IS WELL ESTABLISHED.
- 14.2 SEEDBED PREPARATION A. AS PRACTICAL, PERFORM ALL CULTURAL OPERATIONS AT RIGHT ANGLES TO THE SLOPE. B. IMMEDIATELY BEFORE SEEDING, RAKE OR OTHERWISE LOOSEN PLANTING SURFACE TO PROVIDE A SMOOTH, FRIABLE SURFACE FREE OF EARTH CLODS, HUMPS AND DEPRESSIONS, AND DISPOSE OF LOOSE STONES HAVING A DIMENSION GREATER THAN ONE INCH AND DEBRIS BROUGHT TO THE SURFACE DURING CULTIVATION.
- 14.3 PLANTING A. APPLY SEED MIX AT THE RATE OF 11 POUNDS PER ACRE. SHALL CONTAIN THE FOLLOWING PROPORTION OF PURE LIVE SEED: SAND DROPSOED (SPOROBOLUS CRYPTANDRUS) 1 LB SIDOATS GRAMA (BOULELOUS CORTIPENDULA) 5 LB CRESTED WHEATGRASS (AGROPYRON CRISTATUM) 5 LB B. APPLY SEED IN TWO DIRECTIONS AT RIGHT ANGLES TO EACH OTHER WITH HALF THE SPECIFIED APPLICATION RATE APPLIED IN EACH DIRECTION. C. IMMEDIATELY AFTER SEEDING, UNIFORMLY SPREAD SCREENED MANURE AT THE RATE OF ONE CUBIC YARD PER 1000 SQUARE FEET AND WATER UNTIL THE GROUND IS WET TO A MINIMUM DEPTH OF TWO INCHES. D. HYDRAULIC SEEDING USING 1500 POUNDS OF WOOD CELLULOSE FIBER PER ACRE MAY BE UTILIZED IN LIEU OF PLANTING.
- 14.4 MAINTENANCE A. PROTECT PLANTED AREAS FROM GRAZING, FIRE, TRAFFIC, AND WEED GROWTH. B. MAINTAIN PLANTED AREAS UNTIL A GOOD STAND OF GRASS IS ESTABLISHED. AREAS AS REQUIRED IF NO GROWTH IS PRESENT WITHIN 15 DAYS OF PLANTING.

## 15 TEMPORARY EROSION CONTROL

- 15.1 EROSION CONTROL BERMS AND ROCK CHECK DAMS
- A. PROVIDE EARTHEN BERMS AT TOES OF SLOPES REMAINING BARE BETWEEN CONSTRUCTION PHASES.
- B. PLACE TEMPORARY ROCK CHECK DAMS IN ROAD DITCHES AND CHANNELS IF RIP-RAP PROTECTION WILL NOT BE PROVIDED WITHIN 60 DAYS.
- 15.2 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING EROSION CONTROL MEASURES SUCH AS SAND BAGGING, TEMPORARY DE-SILTING BASIN CONSTRUCTION BERMS, VISQUEEN, ETC. TO PROTECT ADJOINING PROPERTIES FROM EROSION.

## 16 GENERAL CONSTRUCTION NOTES

- 16.1 ALL CORRUGATED METAL PIPE TO BE 14 GAUGE, UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER.
- 16.2 ALL CORRIGATED METAL PIPE SHALL HAVE FLARED END SECTIONS, EXCEPT WHERE HEADWALLS ARE USED.
- 16.3 ALL DRAINAGE CULVERTS AND PIPES SHALL HAVE A MINIMUM COVER OF 24" OR AS SPECIFIED.
- 16.4 ADDITIONAL CARE SHALL BE TAKEN TO PROTECT ALL CMP DURING CONSTRUCTION.
- 16.5 RETAINING WALLS SHALL BEAR ONTO NATURAL BEDROCK, OR COMPACTED SOIL WHICH HAS A BEARING VALUE OF 3,000 P.S.F. VERIFICATION OF SAID BEARING VALUE TO BE PROVIDED BY THE SOILS ENGINEER.
- 16.6 RIPRAP MATERIAL SHALL BE AS SPECIFIED TO A DEPTH OF TWICE THE SIZE OF D<sub>50</sub> UNDER LAYING A FILLER LAYER OF D<sub>50</sub> =3/4" TO A DEPTH OF 10" OR GEOTEXTILES. THE GRADATION OF RIPRAP SHOULD FOLLOW A SMOOTH CURVE. THE RATIO TO THE LARGEST SIZE ROCK TO D<sub>50</sub> SHOULD BE EQUAL TO OR LESS THAN 2 (D<sub>50</sub>/D<sub>50</sub> ~0.5). THE RIPRAP SHOULD BE HARD, DENSE, DURABLE AND RESISTANT TO WEATHER AND FRACTURE. ALL RIPRAP TO BE HAND PLACED IN AN INTERLOCKING POSITION. FILLER MATERIAL TO BE WELL GRADED GRAVEL AS SPECIFIED. MATERIAL FURNISHED FOR RIPRAP SHALL CONFORM TO MAG SPEC 220.2.
- 16.7 ALL CONCRETE AND REBAR PLACEMENT PER MAG SPEC 505.
- 16.8 CONCRETE TESTING PER MAG SPEC 725.
- 16.9 ALL CONCRETE TO BE CLASS B (2500PSI) IF NOT SPECIFIED.
- 16.10 MINIMUM COVER ON ALL REBAR TO BE MIN 1" UNLESS OTHERWISE SPECIFIED.
- 16.11 MINIMUM LAP AT REBAR SPLICES TO BE 1' UNLESS OTHERWISE SPECIFIED.
- 16.12 ALL MANHOLE FRAMES TO HAVE 12" ANCHORS SPACED A MINIMUM OF 12" RADIALLY AROUND FRAME.
- 16.13 CONCRETE FOR FOOTINGS AND PADS AHALL BE CLASS A (3000 PSI)

## SURVEY

1. SEE CONTROL DATA NOTE, SHEET 4

## TREE NOTES

1. ALL EXISTING TREES AND SHRUBS NOT AFFECTED BY BUILDING CONSTRUCTION OR ROAD DEVELOPMENT MUST BE FENCED WITH A CONSTRUCTED ENVELOPE FENCE TO PROTECT THEM DURING CONSTRUCTION
2. NO TREES TO BE PLACED OVER/ON SEWER LINE

## ADEQ WATER AND SEWER SYSTEM NOTES

### MANHOLES

ALL MANHOLES SHALL BE 4'-FT. ID PRECAST CONCRETE WITH POURED-IN-PLACE CONCRETE BASE AND TRAFFIC BEARING RING AND COVER. ALL COVERS SHALL BE 2'-FT. IN DIAMETER AND SHALL BE MARKED "SEWER". TEST MANHOLES FOR WATER TIGHTNESS (INFILTRATION) PER R 18-9-E301.4.01.D.3.F. WATER TIGHTNESS SHALL BE TESTED BY EITHER 1) FILLING THE MANHOLE WITH WATER AND ENSURING THAT THE DROP IN WATER LEVEL DOES NOT EXCEED 0.0034 OF THE TOTAL MANHOLE VOLUME PER HOUR, OR 2) AIR PRESSURE TESTING USING THE "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY NEGATIVE AIR PRESSURE (VACUUM) TEST", ASTM C1244-02e1 (2009). TEST 100% OF ALL MANHOLES. MANHOLES SHALL CONFORM TO A.D.E.Q. AND M.A.G. SPECIFICATIONS. CONSTRUCTION SHALL CONFORM TO M.A.G. STD. DTLS. 420-1 AND 420-2.'

### CONCRETE

CLASS A CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.

### PIPE

GRAVITY SEWER PIPE SHALL BE PVC, SDR-26 AND CONFORM TO ASTM D-1784 AND ASTM D-3034. SEALS SHALL CONFORM TO ASTM F-477. PIPE SHALL BE JOINED BY BELL AND SPIGOT TIE JOINTS. FITTINGS SHALL CONFORM TO ASTM D-3212. GRAVITY SEWER PIPE SHALL BE COMPACTED FOR DEFLECTION AND LEAKAGE. SHORT TERM DEFLECTION TESTING SHALL BE PERFORMED AFTER COMPLETE BACKFILL BUT PRIOR TO INSTALLATION OF FINISH SURFACE MATERIAL. A SHORT TERM DEFLECTION IN EXCESS OF 5% SHALL BE CONSIDERED UNACCEPTABLE AND PIPE SHALL BE REPAIRED, OR REPLACED AND RETESTED. A MINIMUM OF 100% OF GRAVITY SEWER SHALL BE DEFLECTION TESTED. SEWER PIPE SHALL BE TESTED FOR LEAKAGE USING LOW PRESSURE AIR TESTING PER "STANDARD TEST METHOD FOR INSTALLATION ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW PRESSURE AIR", ASTM F 1412-92, REAPPROVED 1998. TEST 100% OF ALL SEWER LINES". TEST THE TOTAL LENGTH OF THE SEWER LINE FOR UNIFORM SLOPE BY LAMP LIGHTING, REMOTE CAMERA OR SIMILAR METHOD APPROVED BY ADEQ AND RECORD THE RESULTS.

DUCTILE IRON PIPE SHALL BE AWWA C-150, CLASS 350 AND SHALL BE TESTED FOR LEAKAGE PER AWWA STANDARD C-600.

A MINIMUM HORIZONTAL DISTANCE OF 6-FT SHALL BE MAINTAINED BETWEEN MAINS AND GRAVITY SEWERS.

### MATERIAL

ALL MATERIALS & PRODUCTS THAT COME INTO CONTACT WITH DRINKING WATER OR DRINKING WATER TREATMENT CHEMICALS MUST COMPLY WITH AWWA STANDARDS & NSF STANDARD 61. ANY OR EQUAL' SUBSTITUTION SHALL ALSO MEET NSF STANDARD 61.

ALL MATERIALS USED IN THE INSTALLATION OF WATER MAINS SHALL BE PURSUANT TO AAC R-18-4-119, & SHALL BE NSF APPROVED FOR POTABLE WATER.

### DISINFECTION

WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH ADEQ ENGINEERING BULLETIN NO.8 "DISINFECTION OF WATER SYSTEMS".

### TESTING

ONE HUNDRED PERCENT (100%) OF PIPE LINES SHALL BE PRESSURE AND LEAK TESTED IN ACCORDANCE WITH AWWA C-600, SECTION 4 AND MAG SECTION 611. MINIMUM TEST PRESSURES SHALL BE 200 PSI PLUS ALLOWANCE FOR WATER HAMMER.

AFTER PRESSURE AND LEAK TESTING IS SHOWN TO BE SATISFACTORY, WATER LINES SHALL BE DISINFECTED BY CHLORINATION IN ACCORDANCE WITH AWWA C-601, MAG SECTION 610.15, AND ADEQ BULLETIN 8. ALL VALVES SHALL BE WORKED INTERMITTENTLY FOR A PERIOD OF 24 HOURS FOLLOWING CHLORINATION.

### WATER SYSTEM THRUST BLOCKING AND/OR JOINT RESTRAINT

PIPE LINES SHALL BE PROVIDED WITH CONCRETE THRUST BLOCKS AT ALL CHANGES IN DIRECTION AND SIZE AND AT ALL TEES, VALVES, PLUGS, AND DEAD ENDS, PER MAG STANDARD DETAILS 301 AND 380 AND YAG STANDARD DETAIL 3-03. PIPE LINES MAY ALSO BE PROVIDED WITH RESTRAINED JOINTS AT ALL CHANGES IN DIRECTION AND SIZE AND AT ALL TEES, VALVES, PLUGS, AND DEAD ENDS, PER MAG STANDARD DETAILS 302 AND 303.

## A DOT GENERAL PERMIT NOTES - MINIMUM REQUIREMENTS:

- A. ALL WORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ADOT 2021 EDITION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, MAY 2012 CONSTRUCTION STANDARD DRAWINGS, SIGNING & MARKING STANDARD DRAWINGS, TRAFFIC SIGNALS & LIGHTING STANDARD DRAWINGS ALONG WITH ALL CURRENT REVISIONS, THE CURRENT ADOT GUIDELINE FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS-OF-WAY MANUAL AND ALL PERMIT REQUIREMENTS FROM THE APPROVED PERMIT PACKAGE.
- B. ALL WORK NOT IN CONFORMANCE WITH THESE PLANS AND ADOT SPECIFICATIONS SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE.
- C. TRAFFIC SHALL BE PROTECTED IN ACCORDANCE WITH THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE ARIZONA SUPPLEMENT MODIFICATIONS DATED JANUARY 13, 2012, AND THE ADOT TEMPORARY TRAFFIC CONTROL DESIGN GUIDELINES 2019.
- D. THE PERMITTEE/CONTRACTOR SHALL COMPLY WITH ALL ENVIRONMENTAL LAWS, COLLECTIVELY TO ANY AND ALL FEDERAL, STATE OR LOCAL STATUTE, LAW OR ORDINANCE, CODE AND RULE OF REGULATION.
- E. A VALID PERMIT WILL BE REQUIRED TO BE ON SITE FOR ANY WORK TAKING PLACE IN ADOT RIGHT OF WAY.
- F. ADOT MAY MAKE PERIODIC SITE INSPECTIONS AND RESERVES THE RIGHT TO REVISE THE LOCATION OF ANY PROPOSED ENCROACHMENTS, SEDIMENT TRAPPING DEVICES AND THE TYPES OF STRUCTURAL CONTROLS AS THE FIELD CONDITIONS DICTATE. THE CONTRACTOR AGREES TO IMPLEMENT ANY SUCH REVISIONS AT ADOT REQUEST.
- G. BLUE STAKE LAWS AND SECTION 107.15 OF THE SPECIFICATIONS; REQUIRES ANYONE PERFORMING ANY EXCAVATION ACTIVITY TO CONTACT BLUE STAKE. PERMITTEE SHALL CALL 811 OR 1-800-STAKE-IT TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION; OR PERMITTEE MAY CREATE AN ONLINE E-STAKE TICKET AT WWW.ARIZONA811.ORG TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION. PLEASE PROVIDE YOUR ADOT PERMIT NUMBER TO THE BLUE STAKE OPERATOR.

THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH ADOT PERMIT REQUIREMENTS PRIOR TO ISSUANCE OF PERMIT. HOWEVER, SUCH REVIEW SHALL NOT PREVENT ADOT FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW, ORDINANCE, HEALTH, SAFETY OR DESIGN ISSUES.

PLAN ACCEPTANCE BY PERMITS DISTRICT OFFICE: \_\_\_\_\_ DATED: \_\_\_\_\_  
ADOT AUTHORIZED SIGNATURE

## ADEQ WATER & SEWER NOTES (CONT.)

### TRENCHING AND BACKFILLING

ROUGH GRADING SHALL BE COMPLETED PRIOR TO INSTALLATION OF UNDERGROUND UTILITIES.

TRENCH BOTTOM SHALL BE COMPACTED BY SUITABLE MEANS APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF BEDDING MATERIAL. BEDDING MATERIAL SHALL BE PLACED TO PROVIDE UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. THE CONTRACTOR SHALL ENSURE THAT A MINIMUM COMPACTED DEPTH OF 6" IS MAINTAINED UNDERNEATH THE PIPE. BELL HOLES SHOULD BE PROVIDED AT EACH JOINT TO PERMIT PROPER ASSEMBLY WHILE MAINTAINING UNIFORM SUPPORT.

BEDDING MATERIAL SHALL BE ROUNDED GRAVEL WITH A MAXIMUM PARTICLE SIZE OF 1 1/2" AND SHALL BE NON-PLASTIC. WHERE DEPTH OF COVER IS 2'-FT. OR LESS, BACKFILL MATERIAL SHALL BE ROUNDED GRAVEL WITH A MAXIMUM PARTICLE SIZE OF 4" AND WITH NO MORE THAN 20% PASSING THE #200 SIEVE.

BACKFILL SHALL BE PLACED IN LAYERS OF NOT MORE THAN 8" LOOSE DEPTH AND COMPACTED TO ACHIEVE COMPACTION OF 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99 AND T-191 OR ASTM D-2922 AND D-3017. THE CONTRACTOR SHALL CONTRACT WITH AN INDEPENDENT TESTING LABORATORY TO PROVIDED COMPACTION TESTING. TESTS SHALL BE PROVIDED AT MINIMUM INTERVALS OF ONE TEST PER 50 CUBIC YARDS OF TRENCH BACKFILL. TEST RESULTS SHALL BE SUBMITTED DAILY TO THE ENGINEER.

TRENCHING, PIPELAYING, BACKFILLING, AND ALL OTHER CONSTRUCTION SHALL BE PERFORMED UNDER THE INSPECTION, COORDINATION, AND SUPERVISION OF A REGISTERED PROFESSIONAL CIVIL ENGINEER.

NO TRENCH SHALL BE FILLED WITH BEDDING MATERIAL OR BACKFILL UNTIL THE EXCAVATION AND PIPE LAYING, RESPECTIVELY, HAVE BEEN APPROVED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE.

THE EXCAVATION METHOD EMPLOYED SHALL BE THE CONTRACTOR'S OPTION. MATERIAL SHALL NOT BE STOCKPILED TO A DEPTH OF MORE THAN 5 FEET ABOVE FINISHED GRADE WITHIN 25 FEET OF ANY EXCAVATION OR STRUCTURE. EXCAVATION SHALL EXTEND SUFFICIENT DISTANCE FROM WALLS AND FOOTINGS TO ALLOW PLACING AND REMOVAL OF FORMS, INSTALLATION OF SERVICES AND INSPECTION BY THE ENGINEER. WITHIN 12" OF FINISHED GRADE SHOWN ON THE DRAWINGS, AND FOR THE MANHOLES, FILL AND BACKFILL SHALL BE NATIVE MATERIAL, FEE FROM BROKEN CONCRETE, ORGANIC MATERIAL, OR OTHER DEBRIS WITH SUFFICIENT FINES TO FILL ALL VOIDS AND TO INSURE A UNIFORMLY COMPACTED MASS OF THE REQUIRED DENSITY AND HAVING A MAXIMUM SIZE OF 2 - 1/8 INCHES WITH 0 TO 20% MINUS #200. ALL FILL AND BACKFILL SHALL BE PLACED IN LAYERS OF NOT MORE THAN 8" LOOSE AND COMPACTED TO 95% OF MAXIMUM DENSITY, DETERMINED BY AASHTO TEST METHOD T-99, PRIOR TO PLACEMENT OF THE NEXT LAYER.

### WATER AND SEWER SYSTEM DESIGN: MINIMUM DESIGN CRITERIA

WATER AND SEWER MAINS SHALL BE SEPARATED IN ORDER TO PROTECT PUBLIC WATER SYSTEMS FROM POSSIBLE CONTAMINATION. ALL DISTANCES ARE MEASURED PERPENDICULARLY FROM THE OUTSIDE OF THE SEWER MAIN TO THE OUTSIDE OF THE WATER MAIN. SEPARATION REQUIREMENTS ARE AS FOLLOWS:

- A. WATER MAIN SHALL NOT BE PLACED:
  - WITHIN SIX FEET, HORIZONTAL DISTANCE, AND BELOW TWO FEET, VERTICAL DISTANCE, ABOVE THE TOP OF A SEWER MAIN UNLESS EXTRA PROTECTION IS PROVIDED. EXTRA PROTECTION SHALL CONSIST OF CONSTRUCTING THE SEWER MAIN WITH MECHANICAL JOINT DUCTILE IRON PIPE OR WITH SLIP-JOINT DUCTILE IRON PIPE IF JOINT RESTRAINT IS PROVIDED. ALTERNATE EXTRA PROTECTION SHALL CONSIST OF ENCASED BOTH THE WATER AND SEWER MAINS IN AT LEAST SIX INCHES OF CONCRETE FOR AT LEAST TEN FEET BEYOND THE AREA COVERED BY THIS SUBPARAGRAPH.
  - WITHIN TWO FEET HORIZONTALLY AND TWO FEET BELOW THE SEWER MAIN.
  - NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER MANHOLE. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND MANHOLES SHALL BE SIX FEET, MEASURED FROM THE CENTER OF THE MANHOLE.
  - THE MINIMUM SEPARATION BETWEEN FORCE MAINS OR PRESSURE SEWERS AND WATER MAINS SHALL BE TWO FEET VERTICALLY AND SIX FEET HORIZONTALLY UNDER ALL CONDITIONS. WHERE A SEWER FORCE MAIN CROSSES ABOVE OR LESS THAN SIX FEET BELOW A WATER LINE, THE SEWER MAIN SHALL BE ENCASED IN AT LEAST SIX INCHES OF CONCRETE OR CONSTRUCTED USING MECHANICAL JOINT DUCTILE IRON PIPE FOR TEN FEET ON EITHER SIDE OF THE WATER MAIN.

## ADOT UNDERGROUND & UNDERGROUND CROSSING NOTES

UG-1 NOTIFICATION IN ADVANCE OF WORK SHALL BE GIVEN 10 BUSINESS DAYS PRIOR TO CONDUCTING ANY WORK, AS NOTED IN THE GENERAL REQUIREMENTS. NOTIFICATION OF COMPLETION OF WORK, REGARDLESS OF TYPE, IS REQUIRED.

UG-2 UTILITY LINES SHALL BE PLACED WITHIN (5) FEET OF THE RIGHT-OF-WAY LINE UNLESS OTHERWISE APPROVED DURING THE REVIEW OF THIS PERMIT.

UG-3 ALL WATER AND GAS METERS SHALL BE INSTALLED OUTSIDE THE ADOT RIGHT-OF-WAY.

UG-4 ALL TELEPHONE CLOSURES SHALL BE PLACED WITHIN 1 FOOT OF THE RIGHT-OF-WAY LINE AND SHALL BE MAINTAINED BY THE ENCROACHMENT OWNER IN A WEED FREE CONDITION. THE TELEPHONE CLOSURE SHALL BE EASILY VISIBLE TO ADOT PERSONNEL FROM THE TRAVELED LANES OF THE HIGHWAY.

UG-5 ANY MODIFICATIONS OR ADDITIONAL TRAFFIC CONTROL PLANS WILL REQUIRE REVIEW AND APPROVAL BY ADOT PRIOR TO WORK IMPLEMENTATION. ALL SUBMITTALS SHALL BE COORDINATED THROUGH THE ADOT MONITOR AND/OR PERMITS OFFICE.

UG-6 THE CONTRACTOR SHALL CONDUCT ITS ACTIVITIES SO AS TO DISTURB A MINIMUM AMOUNT OF VEGETATION AND SOIL. CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED TO MOVE AT RANDOM ON AND OFF THE ROADWAY. THE LIMITS OF CONSTRUCTION SHALL BE CLEARLY DEFINED AND ADHERED TO. ANY DISTURBED AREAS REQUIRING REVEGETATION AFTER COMPLETION OF CONSTRUCTION ACTIVITY SHALL BE COORDINATED WITH THE DISTRICT PERMITS OFFICE.

UG-7 CARE SHALL BE TAKEN TO PROTECT THE SAFETY OF PEDESTRIAN TRAFFIC AND THE TRAVELING PUBLIC. EXCAVATIONS, VERTICAL DROPOFFS, EQUIPMENT AND/OR MATERIAL SHALL NOT BE LEFT OVERNIGHT OR UNATTENDED WITHOUT PROPER SAFETY PROTECTION, (I.E. BARRICADES, FENCING, ETC) AND SHALL CONFORM TO SECTION 107.08(A) AND 501-1 OF THE ARIZONA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION MANUAL. TEMPORARY FENCING SHALL COMPLETELY ENCLOSE THE REFERENCED CONSTRUCTION ACTIVITY AND SHALL BE SECURED AFTER NORMAL WORKING HOURS TO PREVENT UNAUTHORIZED ACCESS.

UG-8 PROPER PERSONAL PROTECTIVE EQUIPMENT WILL BE REQUIRED TO WORK IN ADOT RIGHT-OF-WAY. PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS INCLUDE AT A MINIMUM HARD HATS AND ANSI/ISEA 107-2004 CLASS III RATED VESTS.

UG-9 ALL SURPLUS MATERIAL SHALL BE SECURED OR REMOVED OUT OF THE CLEAR ZONE, AFTER EVERY WORKDAY, FROM THE RIGHT-OF-WAY. THE RIGHT-OF-WAY SHALL BE LEFT IN A NEAT AND NATURAL STATE. ANY FEATURES DAMAGED DURING PERMIT WORK SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR/ENCROACHMENT OWNER.

UG-10 IN ADDITION TO THE ENCROACHMENT OWNERS OBLIGATIONS UNDER OF THE INSURANCE AND INDEMNIFICATION PROVISIONS IN THE STANDARD PERMIT TERMS, THE ENCROACHMENT OWNER, ITS AGENTS AND/OR CONTRACTORS, AGREE THAT THEY WILL BE LIABLE FOR, AND SHALL REIMBURSE ADOT FOR ANY DELAY AND/OR OTHER DAMAGES ADOT IS REQUIRED TO PAY ITS OWN CONTRACTORS OR OTHER PARTIES IF THE ENCROACHMENT IS NOT INSTALLED, RELOCATED OR REMOVED IN A TIMELY MANNER.

UG-11 IF THE REQUESTED PERMIT IS IN AN ACTIVE ADOT CONSTRUCTION PROJECT ALL OF THE PERMITTED WORK SHALL BE COORDINATED WITH ADOT'S RESIDENT ENGINEER AND PRIME CONTRACTOR SO NO CONFLICT OR DELAY TO ADOT'S CONSTRUCTION PROJECT OCCURS. THE ENCROACHMENT OWNER, ITS AGENTS AND/OR CONTRACTORS, AGREE THAT THEY WILL BE LIABLE FOR, AND SHALL REIMBURSE ADOT FOR ANY DELAY AND/OR OTHER DAMAGES ADOT IS REQUIRED TO PAY ITS OWN CONTRACTORS OR OTHER PARTIES DUE TO ANY DELAYS CAUSED BY ENCROACHMENT OWNERS FAILURE TO INSTALLED, RELOCATED OR REMOVED THE ENCROACHMENT IN A TIMELY MANNER.

UG-12 PLACEMENT OF UTILITIES WITHIN RIGHTS-OF-WAY UNDER THE JURISDICTION OF THE ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) SHALL BE IN ACCORDANCE WITH ADOT GUIDELINES FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS-OF-WAY AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. [HTTPS://AZDOT.GOV/SITES/DEFAULT/FILES/MEDIA/2021/04/2021\\_STANDARD\\_SPECIFICATIONS\\_FOR\\_ROAD\\_AND\\_BRIDGE\\_CONSTRUCTION\\_PC.PDF](https://azdot.gov/sites/default/files/media/2021/04/2021_standard_specifications_for_road_and_bridge_construction_pc.pdf) PUBLIC CONVENIENCE AND SAFETY SECTION 107.08

UG-13 THE MINIMUM DEPTH OF COVER OF UNDERGROUND UTILITIES SHALL ADHERE TO THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CONDITIONS GUIDELINES FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS-OF-WAY. THE CURRENT VERSION OF THE UTILITY MANUAL IS AVAILABLE ON-LINE. [HTTPS://WWW.AZDOT.GOV/BUSINESS/ENGINEERING-AND-CONSTRUCTION/UTILITY-AND-RAILROAD-ENGINEERING](https://www.azdot.gov/business/engineering-and-construction/utility-and-railroad-engineering)

UG-14 UTILITIES RELOCATED FOR ADOT CONSTRUCTION PROJECTS SHALL MEASURE THE DEPTH OF COVER FROM THE PROPOSED ELEVATION OF THE ADOT CONSTRUCTION PROJECT, NOT THE EXISTING GROUND ELEVATION. THE ENCROACHMENT OWNER SHALL COORDINATE WITH ADOT RESIDENT ENGINEER TO ASSURE THE UTILITY WILL NOT BE IN CONFLICT WITH THE PROPOSED ADOT CONSTRUCTION PROJECT.

WHEN MEASURING DEPTHS FROM A CUT DITCH OR BORROW DITCH, THE DEPTH SHALL BE CALCULATED FROM THE FLOW LINE (LOW POINT) OF ANY DITCH OR INVERT OF ANY CMP OR BOX CULVERT.

BEDDING, BACKFILL, AND COMPACTION:

UG-15 BEDDING MATERIAL FOR PLASTIC PIPE SHALL ADHERE TO THE CURRENT ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 808-3.04. INSTALLATION SHALL BE ACCORDING TO ADOT CONSTRUCTION STANDARD DRAWING C-13.15. PIPE BACKFILL FOR PLASTIC PIPE SHALL ADHERE TO THE CURRENT ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 203-5.03 B.

UG-16 BEDDING MATERIAL FOR METALLIC OR CONCRETE PIPE SHALL ADHERE TO THE CURRENT ADOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION SECTION 501-3.02 AND INSTALLATION SHALL BE ACCORDING TO ADOT STANDARD DRAWING C-13.15. PIPE BACKFILL FOR METALLIC PIPES SHALL ADHERE TO THE CURRENT ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 501-3.04 (3).

UG-17 AN ACCEPTABLE ALTERNATE METHOD OF BEDDING IS THE USE OF SLURRY USING ONE SACK OF CEMENT PER CUBIC YARD OF AGGREGATE ACCORDING TO THE CURRENT ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 501-3.02 BEDDING MATERIAL.

UG-18 TRENCHES OUTSIDE THE ROADWAY PRISM SHALL BE BACKFILLED WITH MATERIAL TAKEN FROM THE EXCAVATION OR OTHER SUITABLE MATERIAL IN ACCORDANCE WITH ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 203. TRENCH BACKFILL SHALL NOT CONTAIN ORGANIC MATERIAL, RUBBISH, DEBRIS AND OTHER DELETERIOUS MATERIAL AND SHALL NOT CONTAIN SOLID MATERIAL WHICH EXCEEDS EIGHT INCHES IN DIAMETER.

UG-19 TRENCHES WITHIN THE ROADWAY PRISM OUTSIDE THE PAVEMENT SECTION SHALL REQUIRE NON-SHRINK SLURRY BACKFILL. SLURRY BACKFILL SHALL ADHERE TO THE CURRENT ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 501-3.02 BEDDING MATERIAL AND SECTION 501-3.04 (A) (2)&(3) STANDARD AGGREGATE SLURRY AND CEMENT-TREATED SLURRY.

UG-20 ADOT WILL REQUIRE THE ENCROACHMENT OWNER/CONTRACTOR TO PROVIDE A CERTIFIED THIRD PARTY CONSULTANT TO TEST COMPACTION RESULTS. THE ENCROACHMENT OWNER/CONTRACTOR SHALL FURNISH ADOT PROOF OF COMPACTION, FROM A QUALIFIED LABORATORY. MAXIMUM DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH AASHTO T-99 FOR EACH MATERIAL. A MINIMUM OF ONE DENSITY TEST SHALL BE TAKEN PER 8 INCH LIFT. THE ENCROACHMENT OWNER/CONTRACTOR SHALL FURNISH PROOF OF COMPACTION WITHIN 3 WORKING DAYS FROM WHEN THE TEST WAS TAKEN. ONE TEST IS REQUIRED EVERY 100 FEET FOR TRENCHES OVER 500 FEET IN LENGTH. NOTE: DENSITY REQUIREMENT DOES NOT APPLY TO SLURRY BACKFILL. THE ENCROACHMENT OWNER/CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR/REPLACE ANY SETTLEMENT DUE TO INADEQUATE COMPACTION RESULTS.

UG-21 NO DRILLING, POTHOLING OR EXCAVATION WORK SHALL TAKE PLACE IN THE PAVEMENT SECTION OF THE ROADWAY WITHOUT PRIOR APPROVAL OF THE PERMITS OFFICE.

UG-22 ANY NEW UNDERGROUND INSTALLATION OR REPLACEMENT OF EXISTING FACILITIES SHALL BE CONSTRUCTED TO INCLUDE LINE LOCATING/DETECTION MECHANISM, PER ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 104.15 PROVIDING MAGNETIC DETECTION FOR UNDERGROUND FACILITIES.

ANY DAMAGE TO A FACILITY NOT CONTAINING A TRACE WIRE AND/OR WARNING TAPE SHALL BE THE RESPONSIBILITY OF THE FACILITY OWNER. ENCROACHMENT OWNER/CONTRACTOR SHALL PLACE TRACE WIRE AND WARNING TAPE IN ALL TRENCHES IN WHICH NEW FACILITY IS PLACED.

UG-23 THE ENCROACHMENT OWNER/CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY IN MAINTAINING EXISTING HIGHWAY DRAINAGE DURING CONSTRUCTION.

UG-24 WITHIN 30 BUSINESS DAYS UPON COMPLETION OF AN UNDERGROUND INSTALLATION, THE ENCROACHMENT OWNER SHALL FURNISH RECORD DRAWING PLANS TO ADOT ADHERING TO THE ADOT RED-LINE AND RECORD DRAWINGS PROCEDURE AND GUIDELINES FOUND AT THE STATEWIDE PROJECT MANAGEMENT WEBSITE.

UG-26 UPON COMPLETION OF WORK, ENCROACHMENT OWNER/CONTRACTOR SHALL REMOVE ALL EXCESS CONSTRUCTION MATERIAL AND DEBRIS FROM THE RIGHT-OF-WAY. ENCROACHMENT OWNER/CONTRACTOR SHALL REPAIR DAMAGE CAUSED AS A RESULT OF THE PERMITTED ACTIVITY TO ANY ADOT FACILITY OR PROPERTY, INCLUDING BUT NOT LIMITED TO ANY EXISTING PAVED SURFACE, CURB, GUTTER, SIDEWALK, FENCE, LANDSCAPE, STRUCTURE, PIPE, SIGNS, RIGHT-OF-WAY MARKERS, ELECTRICAL INSTALLATION OR TRAFFIC SIGNAL EQUIPMENT. DAMAGE SHALL BE REPAIRED TO AN EQUAL OR BETTER CONDITION TO THE SATISFACTION OF ADOT AND AT THE ENCROACHMENT OWNERS EXPENSE. THE ENCROACHMENT OWNER/CONTRACTOR SHALL CLEAN OFF ANY MATERIAL WHICH VEHICLES OR EQUIPMENT DISCHARGE OR TRACK ONTO THE PAVED HIGHWAY AT THE END OF EVERY WORKDAY. FAILURE TO DO SO WILL RESULT IN IMMEDIATE WORK STOPPAGE.

UG-27 FENCE TEMPORARILY REMOVED TO FACILITATE WORK SHALL BE RETURNED TO AN EQUAL OR BETTER CONDITION UPON COMPLETION OF WORK.

UG-28 TEMPORARY FENCING SHALL COMPLETELY ENCLOSE THE REFERENCED CONSTRUCTION ACTIVITY AND SHALL BE SECURED AFTER NORMAL WORKING HOURS TO PREVENT UNAUTHORIZED ACCESS.

UG-29 THE ENCROACHMENT OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR CLOSING GATES ON SITE. FAILURE TO KEEP THE GATES CLOSED WILL RESULT IN IMMEDIATE WORK STOPPAGE.

UG-30 THE ENCROACHMENT OWNER/CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY IN ATTAINING CLEARANCES FROM OTHER UTILITY COMPANIES WITH FACILITIES IN THE AREA AND WILL BE RESPONSIBLE FOR DAMAGE TO ANY UTILITY LINE CAUSED BY ENCROACHMENT OWNERS ACTS OR OMISSIONS. THE ENCROACHMENT OWNER SHALL CALL BLUE STAKE AT 1-800-STAKE-IT TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION. THIS IS A STATE LAW. IF BLUE STAKE IS NOT AVAILABLE, THE ENCROACHMENT OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITIES DIRECTLY, TWO WORKING DAYS PRIOR TO ANY EXCAVATION. PLEASE PROVIDE YOUR ADOT PERMIT NUMBER TO THE BLUE STAKE OPERATOR.

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION CAN BE FOUND AT: [HTTPS://AZDOT.GOV/SITES/DEFAULT/FILES/MEDIA/2021/04/2021\\_STANDARD\\_SPECIFICATIONS\\_FOR\\_ROAD\\_AND\\_BRIDGE\\_CONSTRUCTION\\_PC.PDF](https://azdot.gov/sites/default/files/media/2021/04/2021_standard_specifications_for_road_and_bridge_construction_pc.pdf)

THE CONSTRUCTION STANDARD DRAWINGS CAN BE FOUND AT: [HTTPS://AZDOT.GOV/BUSINESS/ENGINEERING-AND-CONSTRUCTION/ROADWAY-ENGINEERING/ROADWAY-DESIGN/CONSTRUCTION-STANDARD](https://azdot.gov/business/engineering-and-construction/roadway-engineering/roadway-design/construction-standard)


THE ADOT SIGNING AND MARKING GUIDE CAN BE FOUND AT: [HTTPS://AZDOT.GOV/BUSINESS/ENGINEERING-AND-CONSTRUCTION/TRAFFIC/SIGNING-AND-MARKING-STANDARD-SMS-DRAWINGS](https://azdot.gov/business/engineering-and-construction/traffic/signing-and-marking-standard/sms-drawings)

THE ADOT BRIDGE STANDARDS AND DETAILS CAN BE FOUND AT: [HTTPS://AZDOT.GOV/BUSINESS/ENGINEERING-AND-CONSTRUCTION/BRIDGE-DESIGN-SERVICES/STRUCTURE-DETAIL-DRAWINGS](https://azdot.gov/business/engineering-and-construction/bridge/bridge-design-services/structure-detail-drawings)

THE ADOT DRAINAGE STANDARDS CAN BE FOUND AT: [HTTPS://AZDOT.GOV/CONTENT/DRAINAGE-DESIGN](https://azdot.gov/content/drainage-design)

THE ADOT GUIDELINES FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS-OF-WAY CAN BE FOUND AT: [HTTPS://WWW.AZDOT.GOV/BUSINESS/ENGINEERING-AND-CONSTRUCTION/UTILITY-AND-RAILROAD-ENGINEERING](https://www.azdot.gov/business/engineering-and-construction/utility-and-railroad-engineering)



JEROME WATER IMPROVEMENTS DECEPTION ROAD			
NOTES 2			
 825 COVE PARKWAY COTTONWOOD, AZ 86326 928-282-7787	DATE 10/24/25	DRAWN RIN	SHEET 3 OF 6
	SCALE NOTED	CHECKED KG	PROJECT NO. 20-0510CE



CONTROL DATA

ARIZONA STATE PLANE COORDINATE SYSTEM,  
CENTRAL ZONE COORDINATES  
GRID NORTH: 1364744.7900 U.S. SURVEY FEET  
GRID EAST: 640582.6700 U.S. SURVEY FEET

NAD 83:  
LATITUDE: 34°45'03.72604"(N)  
LONGITUDE: 112°06'52.09927"(W)

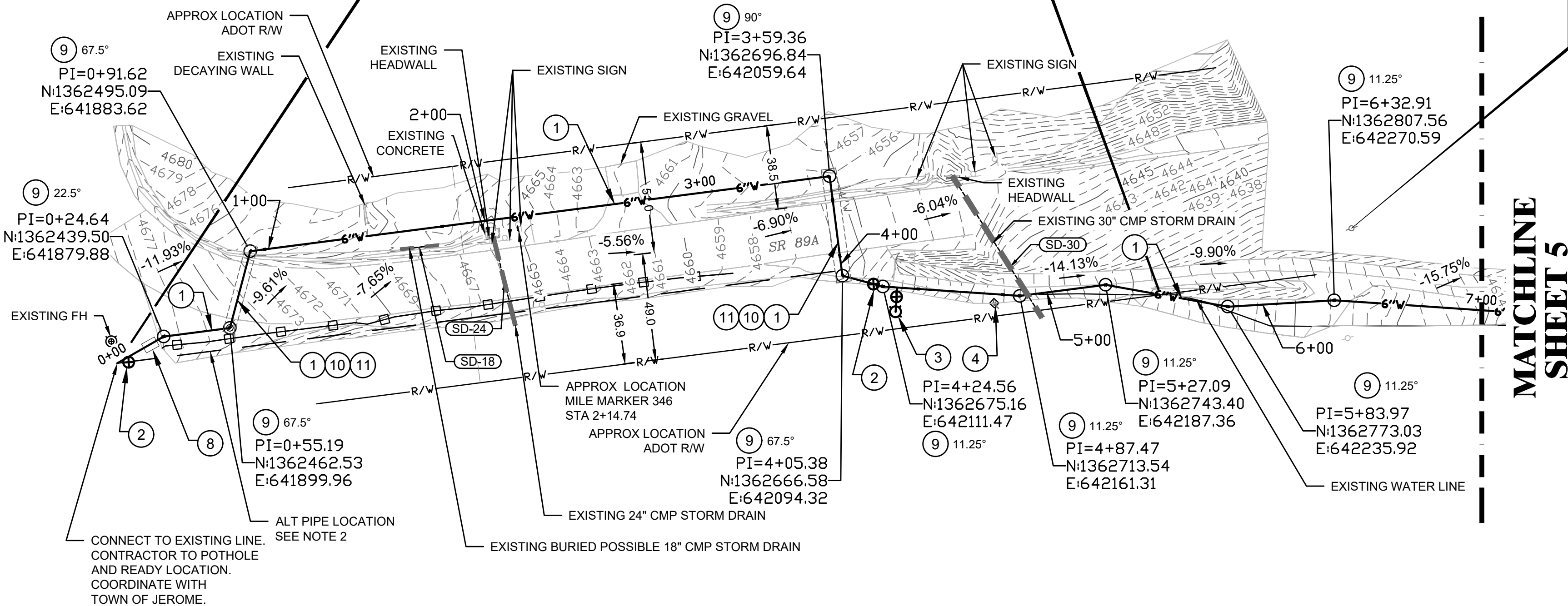
SOURCE DATA FOR THESE COORDINATES IS BASED  
ON OPUS (ONLINE POSITIONING USER SERVICE)  
CALCULATIONS WITH A SCALE FACTOR OF  
0.99966444. RECEIVED FROM OPUS  
JUNE 06, 2017.

ELEVATION: 5092.80'  
[NAV]D88 (Computed using GEOID12B)

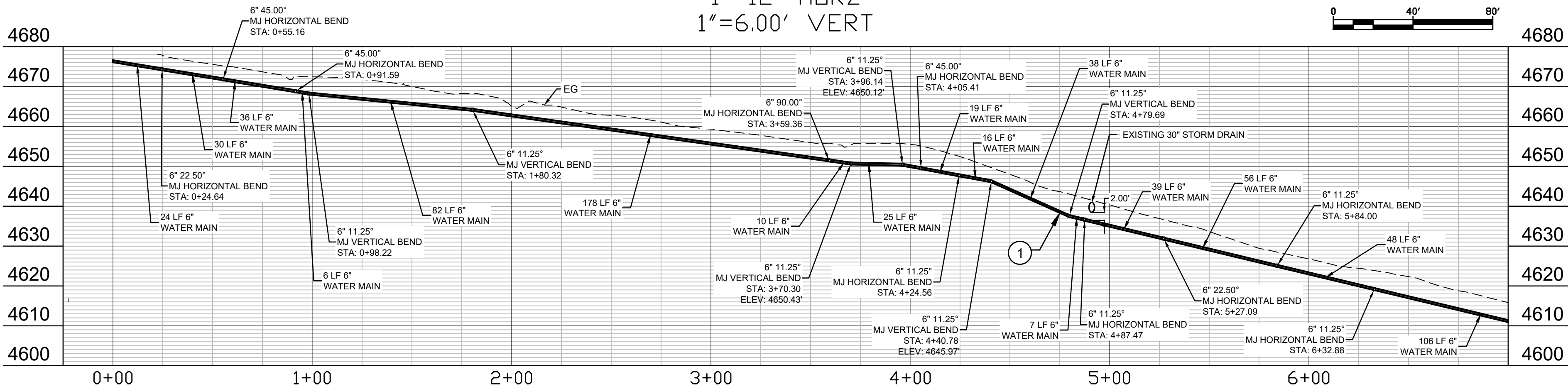
LYING N41°14'W APPROXIMATELY 2536' FROM  
THE MOST WESTERLY POWER POLE AS LOCATED  
DURING THE COURSE OF THIS SURVEY.

ADOT RIGHT-OF-WAY NOTES (STA 0+00-5+50±)

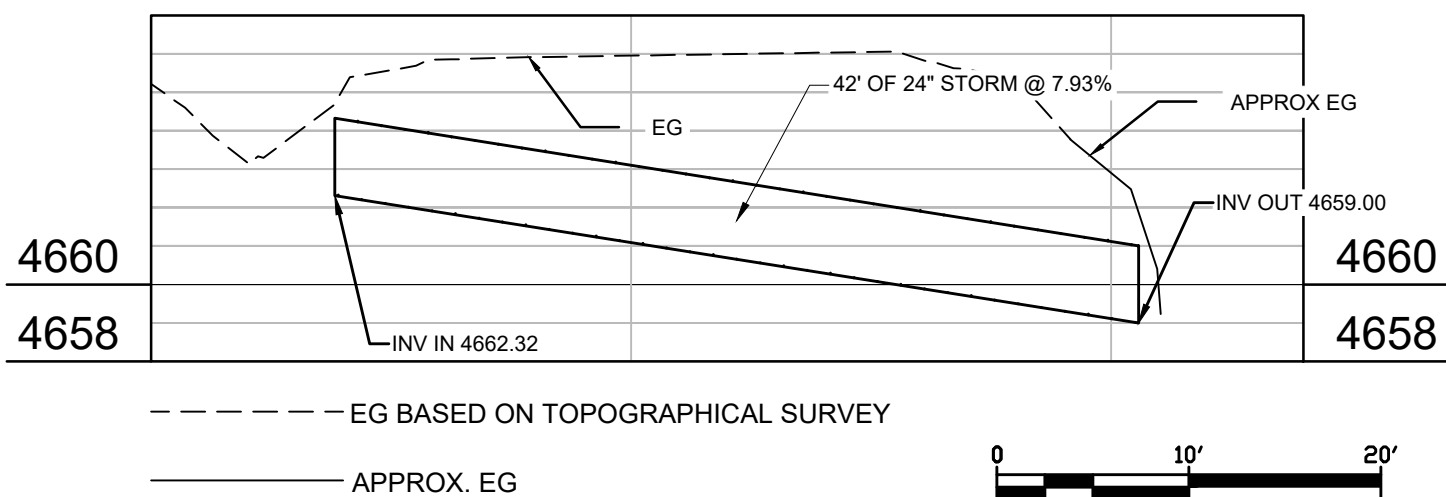
- ADOT PERMITS TO BE SECURED PRIOR TO CONSTRUCTION.
- TRENCH PAVEMENT CUT AND REPLACEMENT PER ADOT STANDARDS
- ALL ADOT STANDARDS FOR CONSTRUCTION TO BE ADHERED TO ON ANY WORK DONE IN ADOT RIGHT-OF-WAY



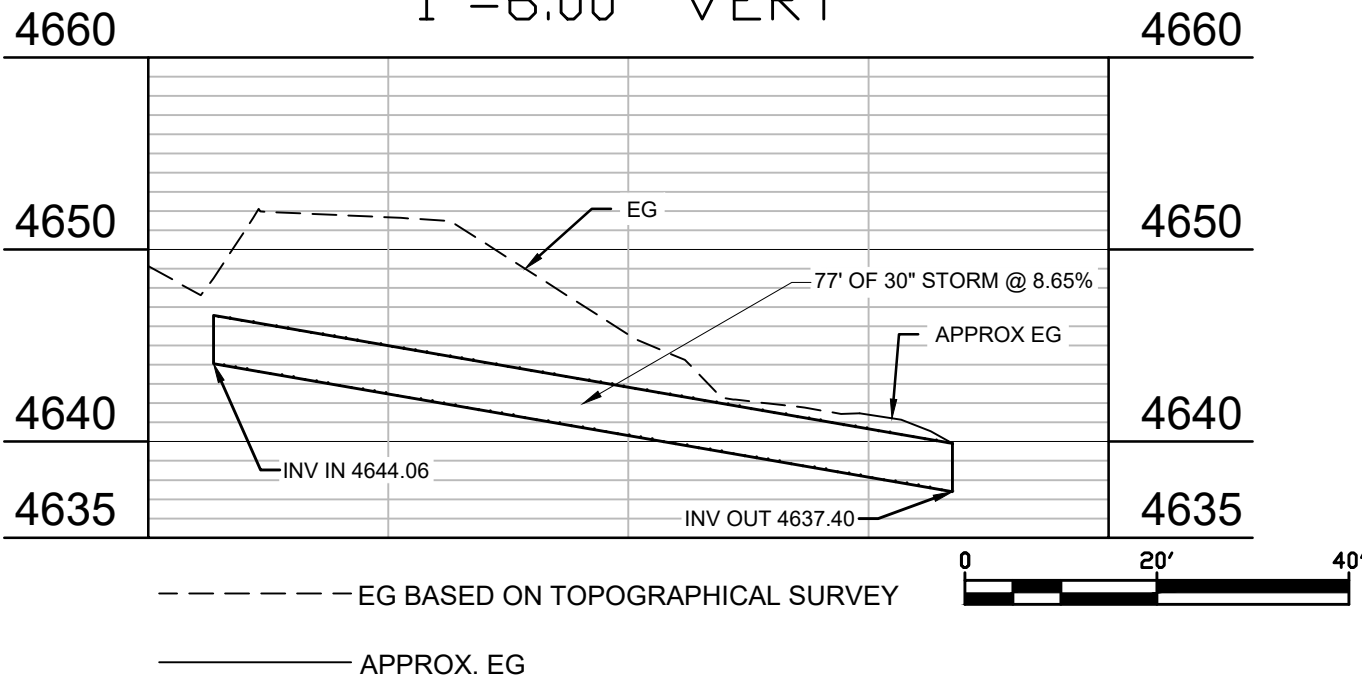
Profile View of Proposed Waterline  
1"=12' HORZ  
1"=6.00' VERT



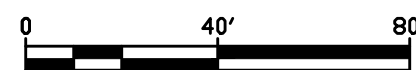
Profile View of EXISTING 24IN CMP  
1"=12' HORZ  
1"=6.00' VERT



Profile View of 30' CMP  
1"=12' HORZ  
1"=6.00' VERT



WATER CALL OUTS	
1	INSTALL 6" DR 14 C900 PVC, 3.5' MIN COVER, USE ADOT DETAIL C-07.06 IN PAVED AREAS (STA 0+55.20 - STA 0+90.65 AND STA 3+61.25 - STA 4+08) USE TYPICAL DETAIL IN ALL OTHER LOCATIONS, SEE TRENCH DETAILS ON SHEET 6.
2	INSTALL 6" VALVE, BOX & COVER PER MAG STANDARDS.
3	INSTALL FIRE HYDRANT PER MAG SPECS. INCLUDES HYDRANT, PIPE, VALVE AND TEE.
4	PROVIDE CONNECTION EXST WATER METER, CONTRACTOR TO MATCH EXST SIZE, COORDINATE WITH THE TOWN UTILITY DEPT.
5	CONNECT TO EXST WATER MAIN, POT HOLE TO VERIFY SIZE AND LOCATION, CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
6	6"x4"x6" TEE W/ 4" VALVE, THE EXST LINE IS ASSUMED TO BE 4", ADJUST TEE AND VALVE SIZE IF REQUIRED.
7	NOT USED
8	INSTALL 100PSI TO 50PSI PRV PER DETAIL 1323 SHEET 6, 4" REGULATOR, 2" LOOP W/ 6" TO 4" REDUCERS ON EACH END, 4" CLA-VAL 90-01 PRV, 2" CLA-VAL 90-01 PRV, OR SUITABLE EQUIVALENT APPROVED BY THE TOWN.
9	INSTALL PIPE BEND, ANGLE PER PLAN, THRUST BLOCK PER NOTE 7.
10	INSTALL 10" DI PIPE SLEEVE AROUND 6" DR14 C900 PVC PIPE UNDER ROAD.
11	PROVIDE TRENCH BACK FILL AND PAVEMENT REPLACEMENT PER ADOT DETAIL C-07.06 WITH EXTENDED 10' WIDE AC PAVEMENT REPLACEMENT.
NOTES:	
1	UNDOCUMENTED ABANDONED UTILITIES MAY BE FOUND THROUGHOUT THE PROJECT AREA.
2	NEW WATER MAIN TO BE 3' MIN OFFSET FROM EXISTING WATER MAIN.
3	EXISTING WATER MAIN TO REMAIN ACTIVE AND IN SERVICE THROUGHOUT NEW LINE CONSTRUCTION.
4	NEW PRV TO BE LOCATED DOWNSTREAM FROM THE CONNECTION TO EXISTING MAIN IN SR 89A. PRV TYPE, MANUFACTURER, AND SPECIFICATION PER THE TOWN ENGINEER.
5	CONNECT EXISTING WATER METERS, FIRE HYDRANTS, ETC. AND ANY BRANCH LINES TO THE NEW MAIN LINE.
6	CONTRACTOR TO ADD THRUST BLOCKS PER MAG 380 SEE DETAIL SHEET 6 AT ALL HORIZONTAL BENDS.



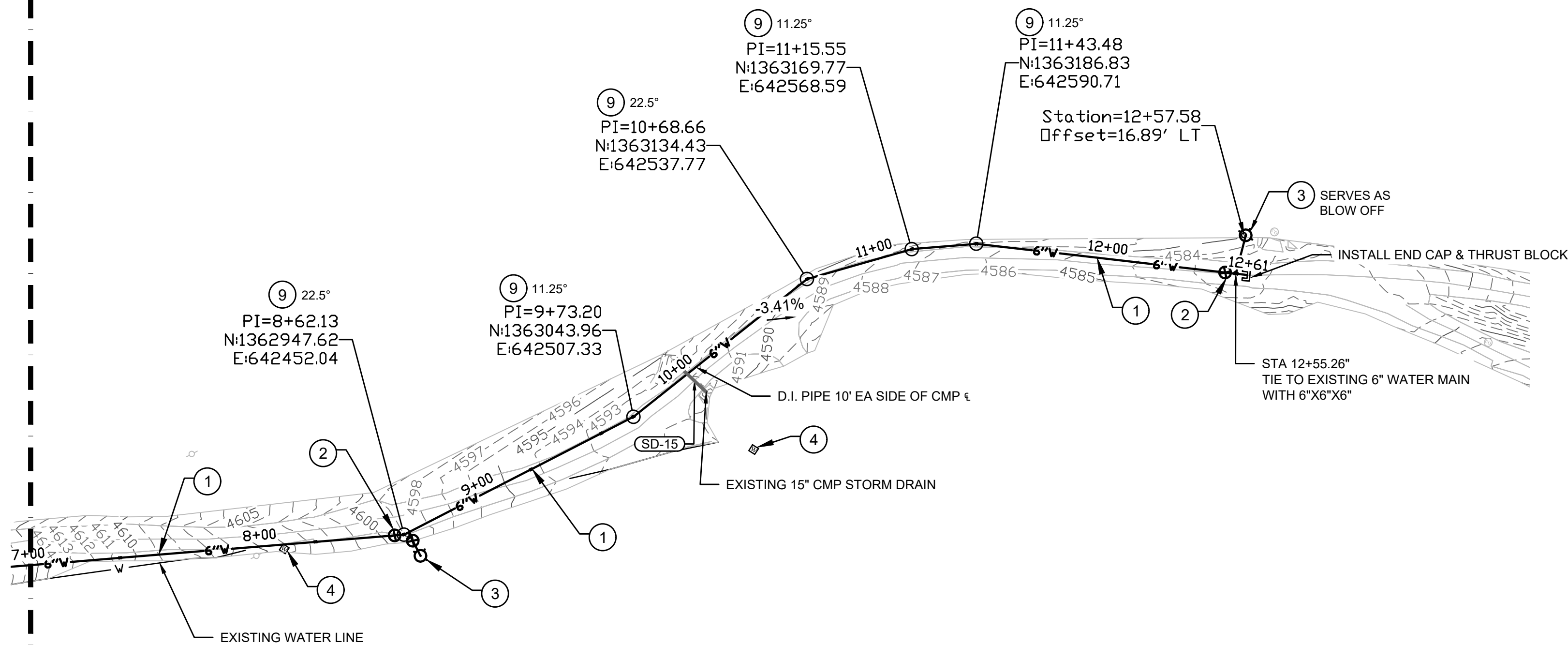
THESE PLANS SUPERSEDE PLANS DATED 8/20/2025  
SEE GENERAL NOTE 3.1 PRIOR TO CONSTRUCTION

JEROME WATER IMPROVEMENTS DECEPTION ROAD			
 825 COVE PARKWAY COTTONWOOD, AZ 86326 928-282-7787	P & P - STA 0+00 TO STA 7+00		
	DATE 10/24/25	DRAWN RIN	SHEET 4 OF 6
	SCALE NOTED	CHECKED KG	PROJECT NO. 20-0510CE

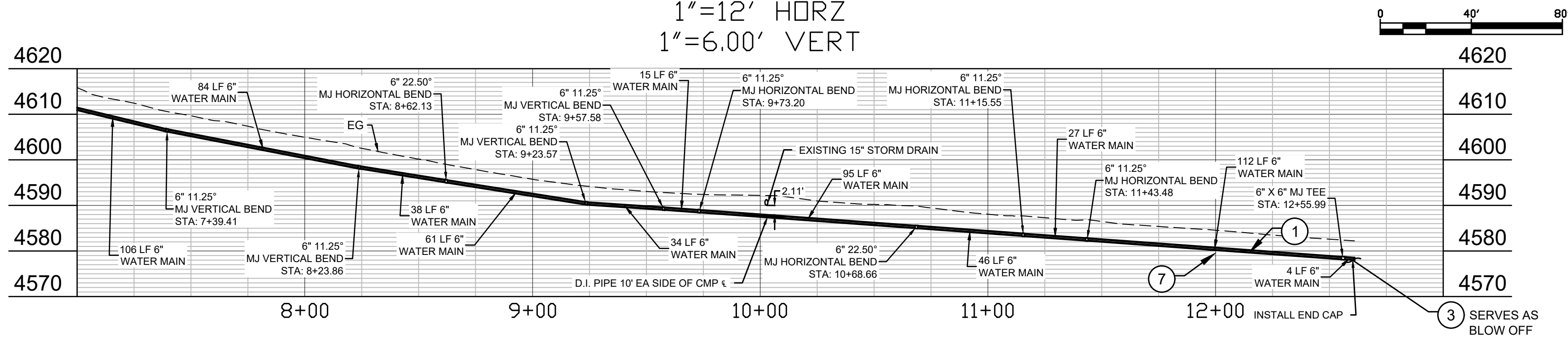




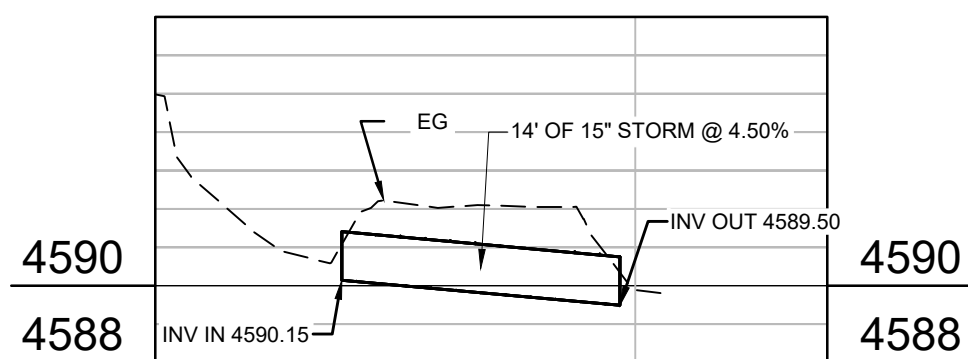
SHEET 4  
MATCHLINE



Profile View of Proposed Waterline  
1"=12' HORZ  
1"=6.00' VERT



Profile View of EXISTING 15IN CMP  
1"=12' HORZ  
1"=6.00' VERT



WATER CALL OUTS	
1	INSTALL 6" DR 14 C900 PVC, 3.5' MIN COVER. USE ADOT DETAIL C-07.06 IN PAVED AREAS (STA 0+55.20 - STA 0+90.65 AND STA 3+61.25 - STA 4+08) USE TYPICAL DETAIL IN ALL OTHER LOCATIONS. SEE TRENCH DETAILS ON SHEET 6.
2	INSTALL 6" VALVE, BOX & COVER PER MAG STANDARDS.
3	INSTALL FIRE HYDRANT PER MAG SPECS. INCLUDES HYDRANT, PIPE, VALVE AND TEE.
4	PROVIDE CONNECTION EXST WATER METER. CONTRACTOR TO MATCH EXST SIZE. COORDINATE WITH THE TOWN UTILITY DEPT.
5	CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
6	6"X4"X6" TEE W/ 4" VALVE. THE EXST LINE IS ASSUMED TO BE 4", ADJUST TEE AND VALVE SIZE IF REQUIRED.
7	NOT USED
8	INSTALL 100PSI TO 50PSI PRV PER DETAIL 1323 SHEET 6. 4" REGULATOR, 2" LOOP W/ 6" TO 4" REDUCERS ON EACH END. 4" CLA-VAL 90-01 PRV, 2" CLA-VAL 50-01 PRV. OR SUITABLE EQUIVALENT APPROVED BY THE TOWN.
9	INSTALL PIPE BEND. ANGLE PER PLAN. THRUST BLOCK PER NOTE 7.
10	INSTALL 10" DI PIPE SLEEVE AROUND 6" DR14 C900 PVC PIPE UNDER ROAD.
11	PROVIDE TRENCH BACK FILL AND PAVEMENT REPLACEMENT PER ADOT DETAIL C-07.06 WITH EXTENDED 10' WIDE AC PAVEMENT REPLACEMENT.
NOTES:	
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3	EXISTING WATER MAIN TO REMAIN ACTIVE AND IN SERVICE THROUGHOUT NEW LINE CONSTRUCTION.
4	NEW PRV TO BE LOCATED DOWNSTREAM FROM THE CONNECTION TO EXISTING MAIN IN SR 89A. PRV TYPE, MANUFACTURER, AND SPECIFICATION PER THE TOWN ENGINEER.
5	CONNECT EXISTING WATER METERS, FIRE HYDRANTS, ETC. AND ANY BRANCH LINES TO THE NEW MAIN LINE
6	CONTRACTOR TO ADD THRUST BLOCKS PER MAG 380 SEE DETAIL SHEET 6 AT ALL HORIZONTAL BENDS



THESE PLANS SUPERSEDE PLANS DATED 8/20/2025  
SEE GENERAL NOTE 3.1 PRIOR TO CONSTRUCTION

JEROME WATER IMPROVEMENTS  
DECEPTION ROAD

P & P - STA 7+00 TO STA 12+60

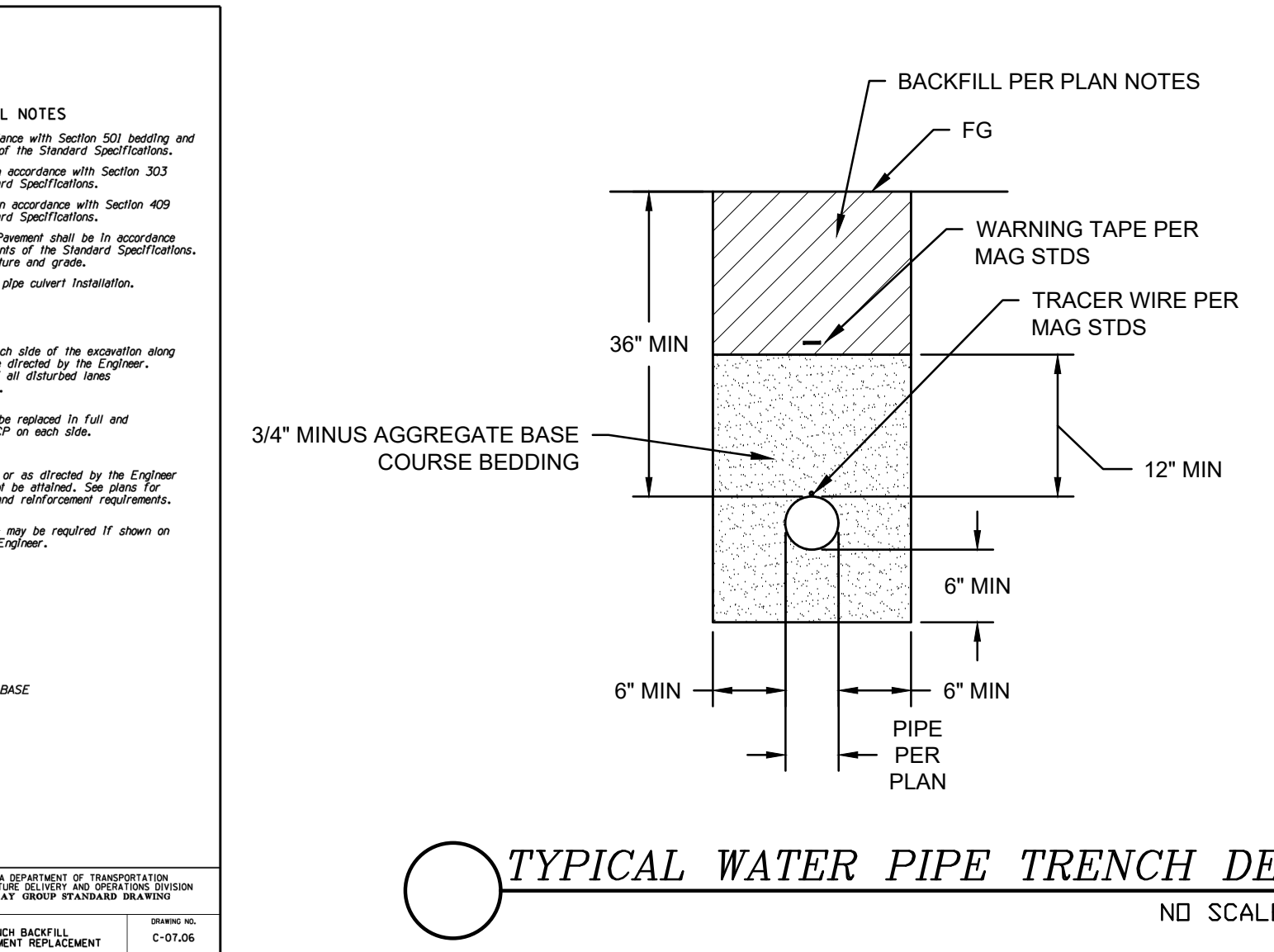
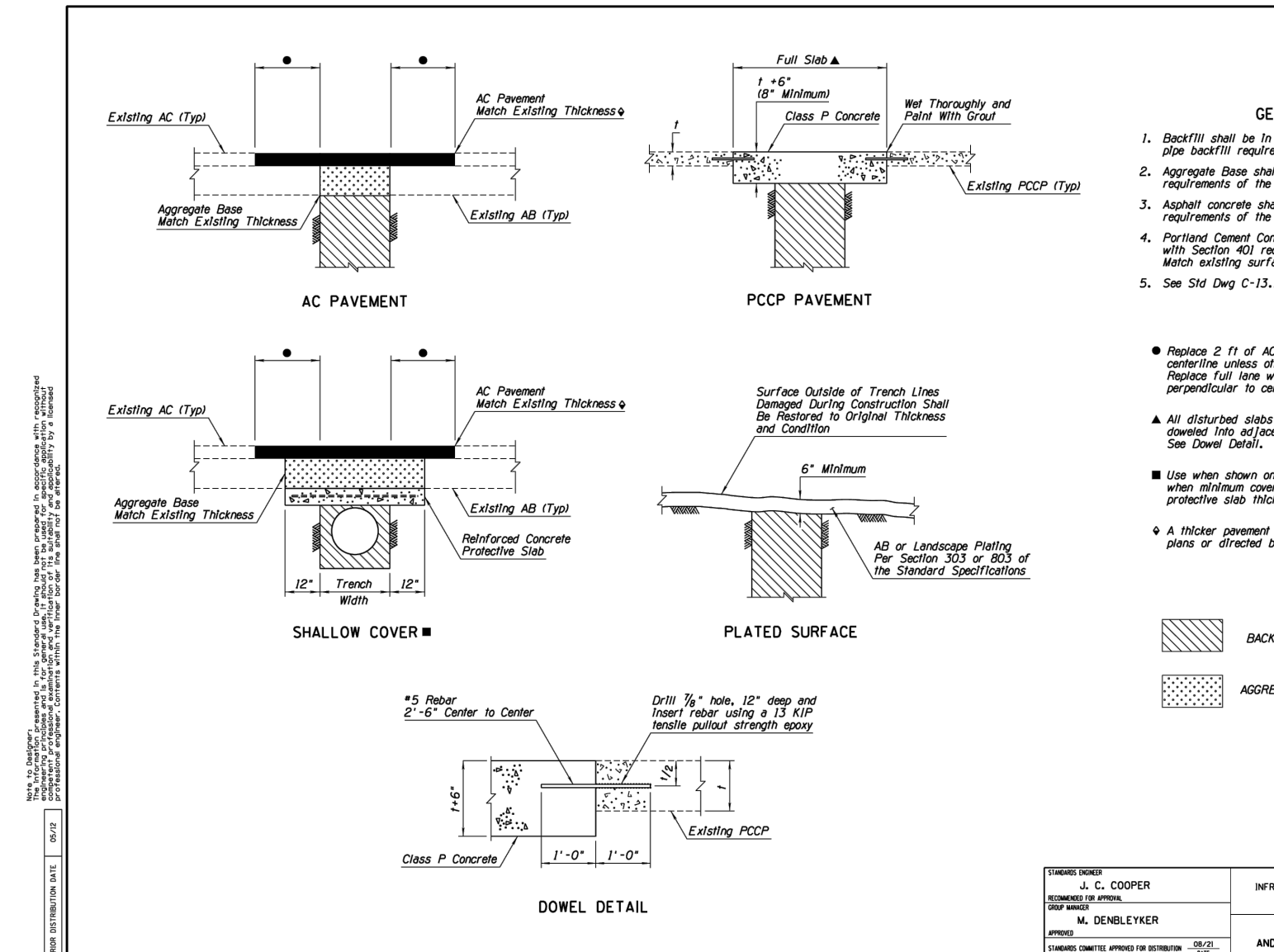
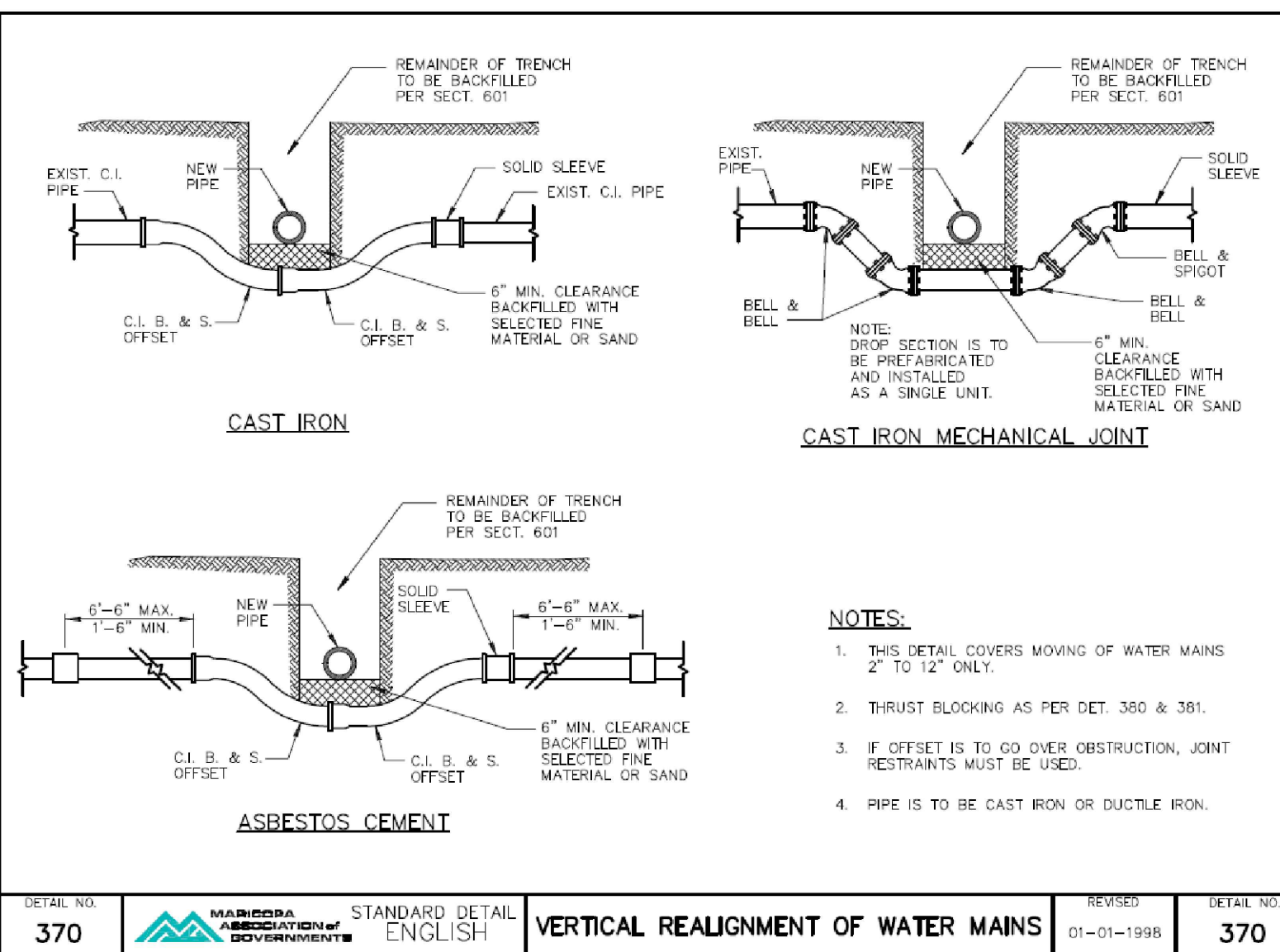
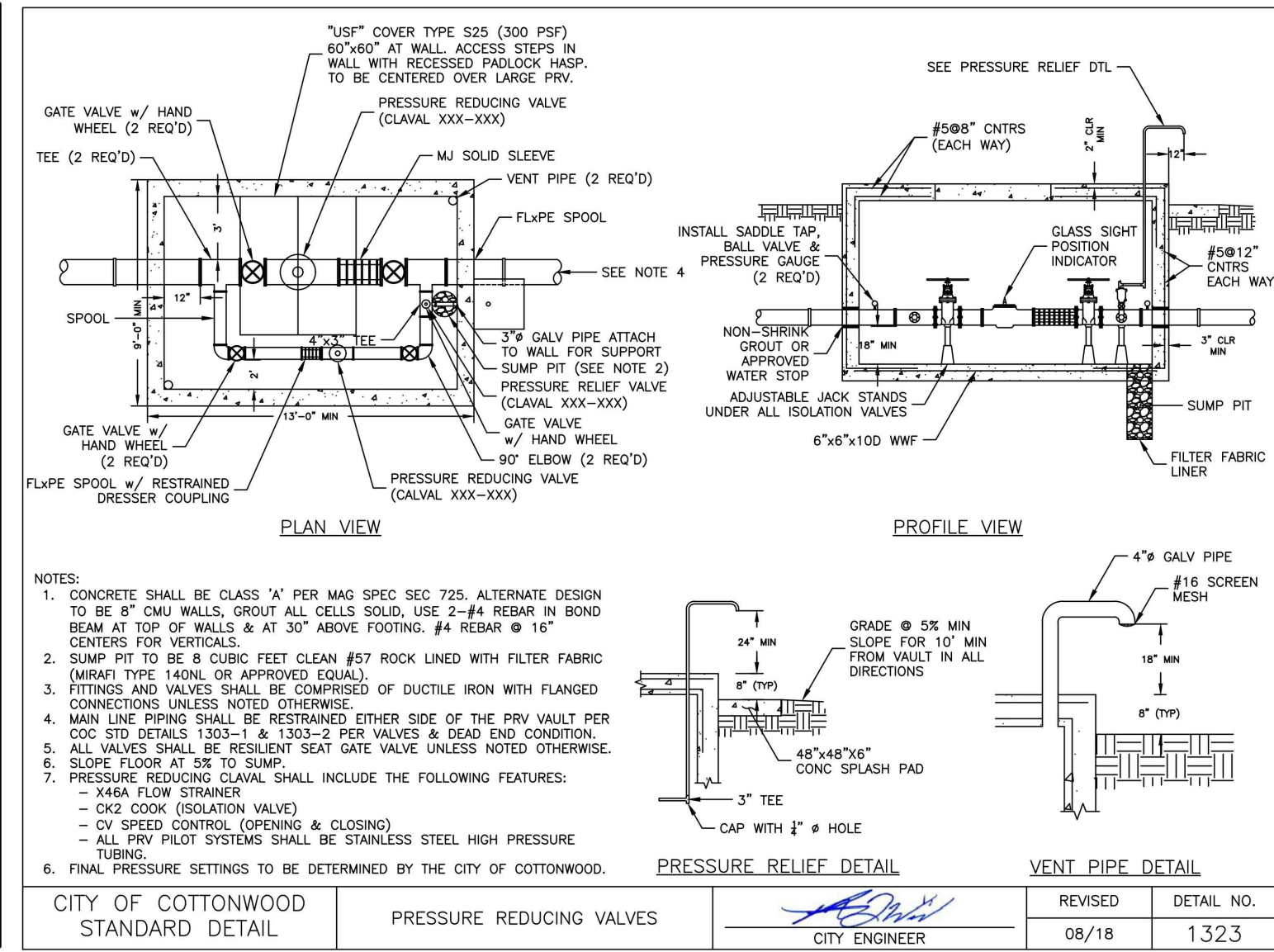
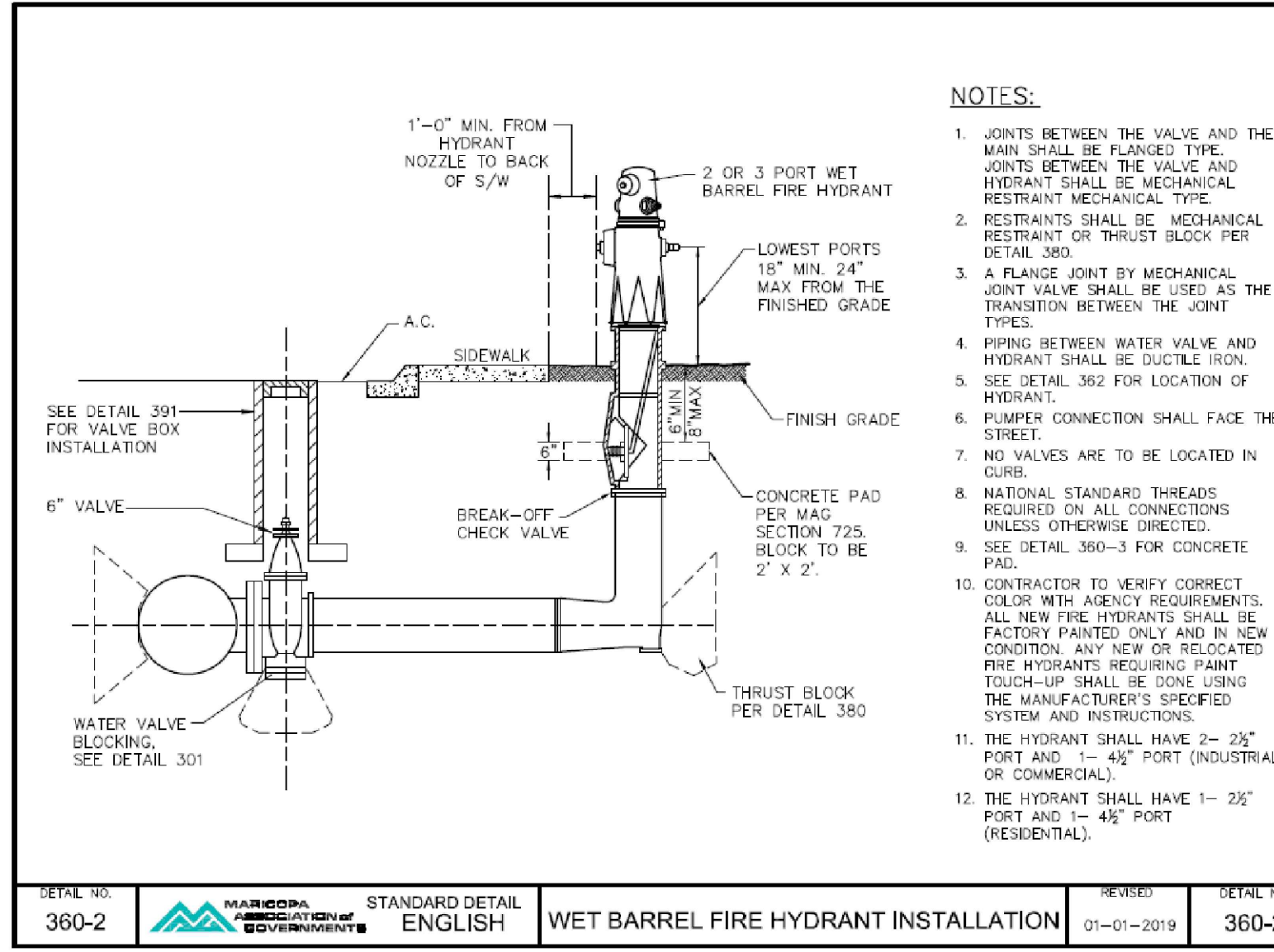
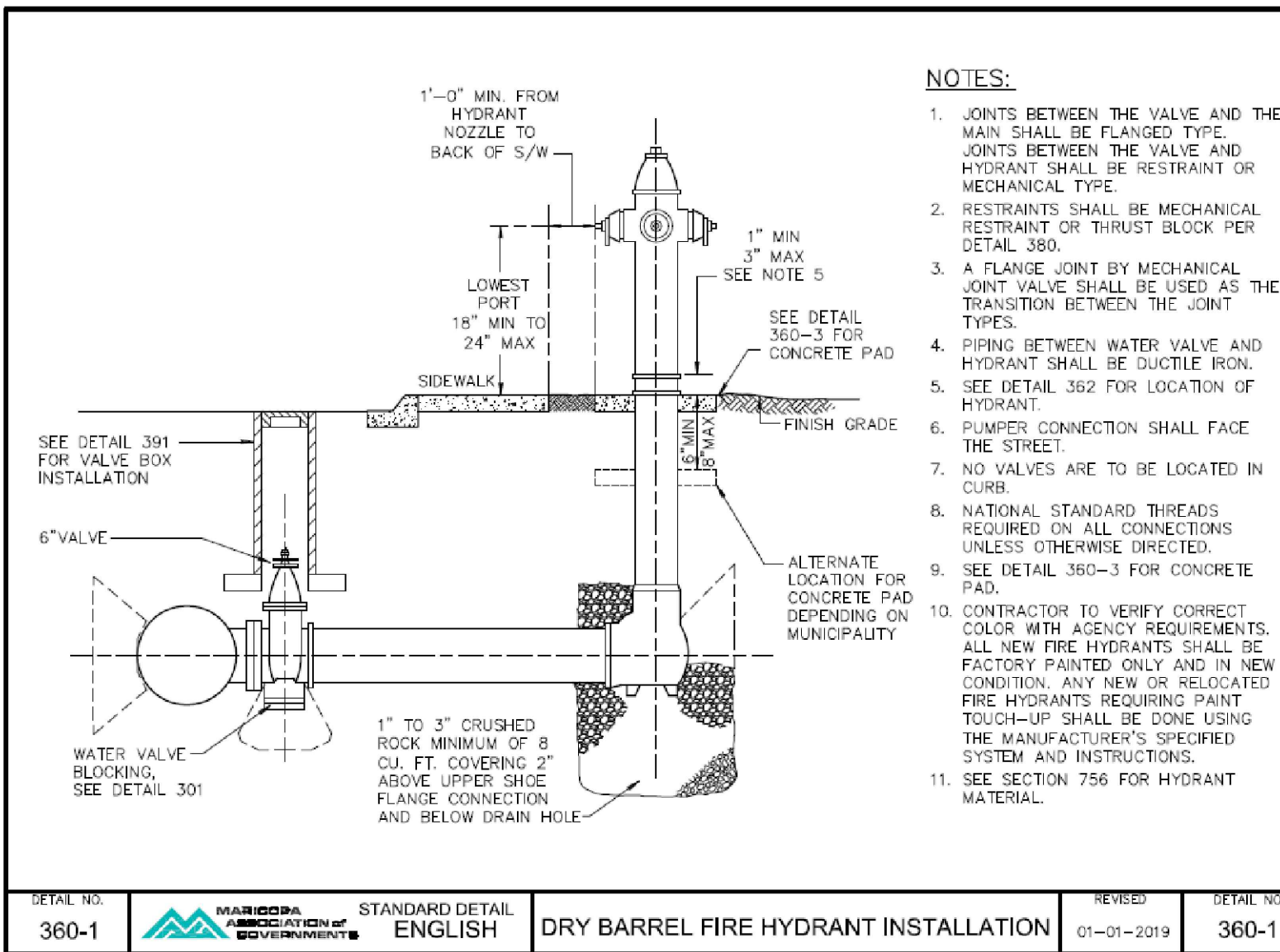
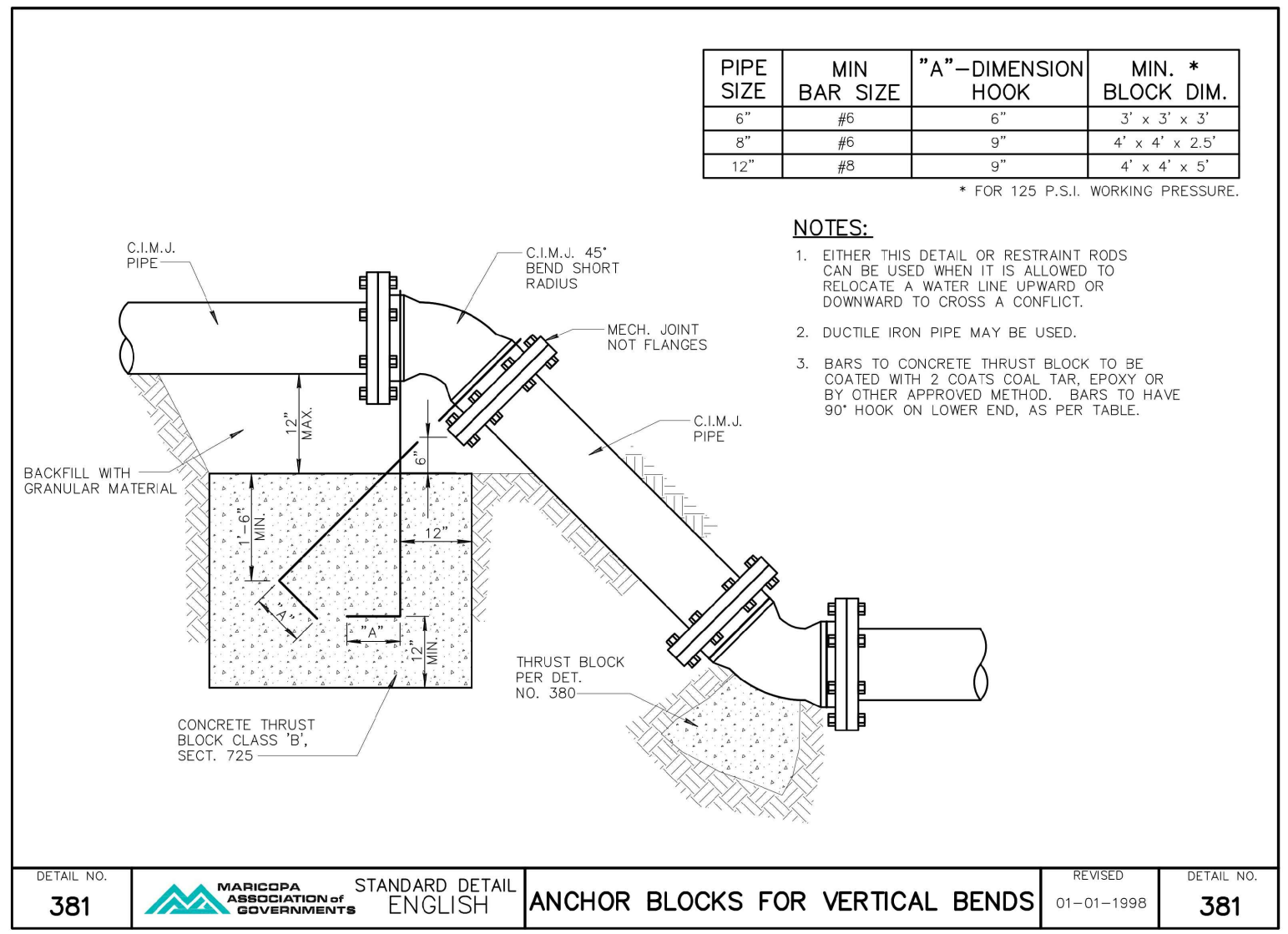
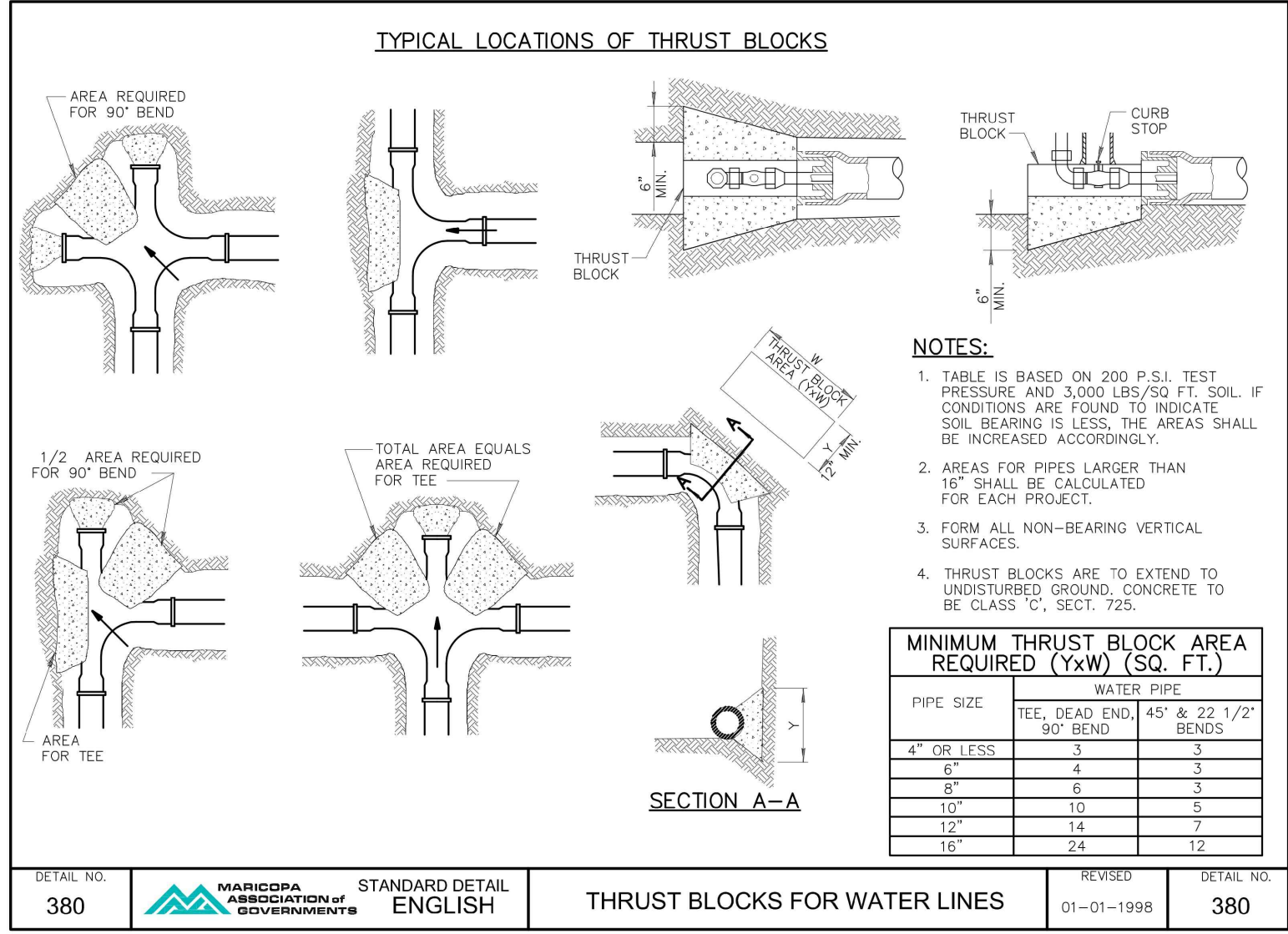
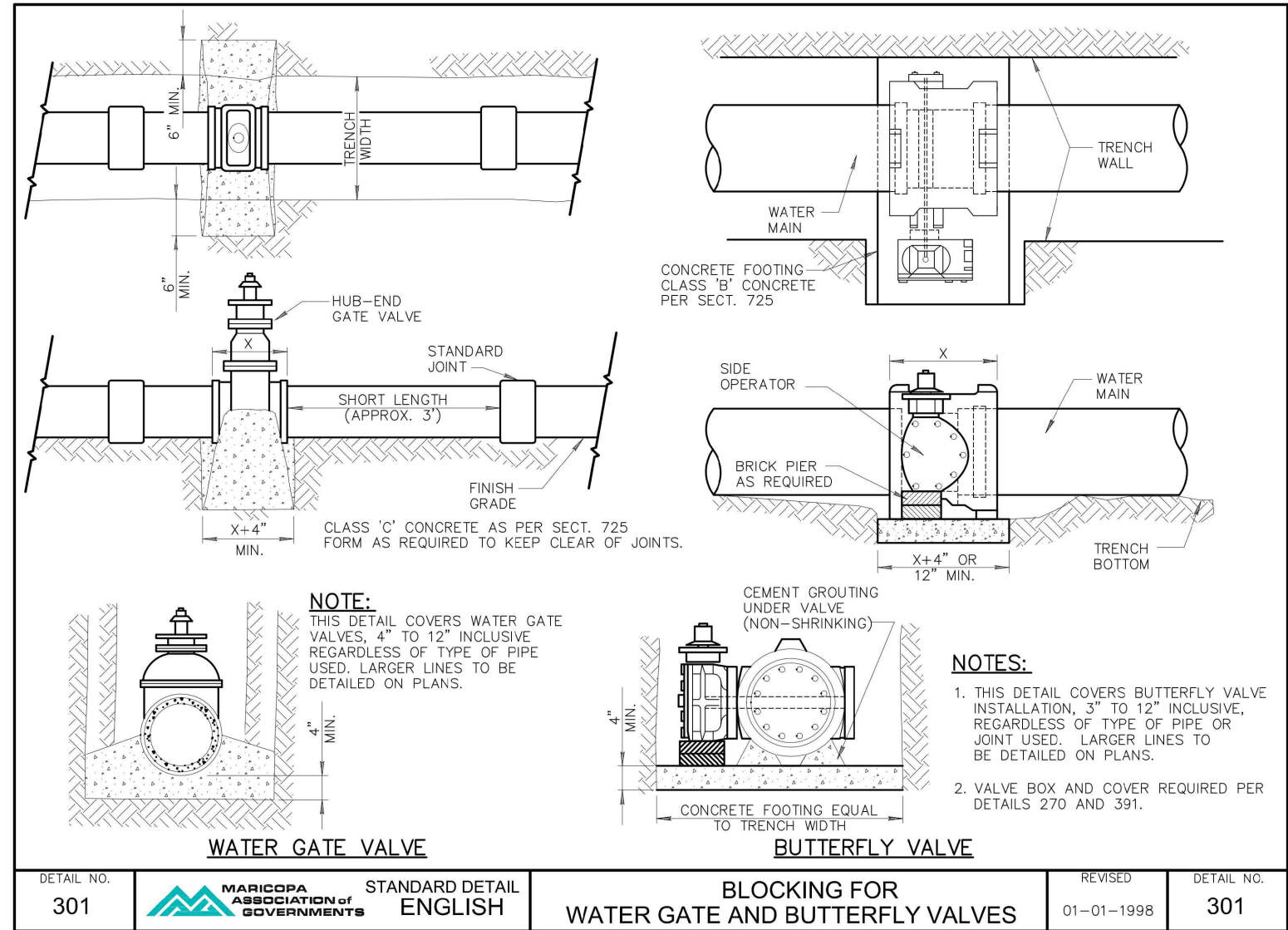


825 COVE PARKWAY  
COTTONWOOD, AZ 86326  
928-282-7787

DATE	DRAWN	SHEET
10/24/25	RIN	5 OF 6
SCALE	CHECKED	PROJECT NO.
NOTED	KG	20-0510CE







THESE PLANS SUPERSEDE PLANS DATED 8/20/2025  
SEE GENERAL NOTE 3.1 PRIOR TO CONSTRUCTION

**JEROME WATER IMPROVEMENTS**  
DECEPTION ROAD

DETAILS		
DATE 10/24/25	DRAWN RIN	SHEET 6 OF 6
SCALE NOTED	CHECKED KG	PROJECT NO. 20-0510CE

SEC Inc.  
825 COVE PARKWAY  
COTTONWOOD, AZ 86326  
928-282-7877

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